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Introduction

The *Isis Current Bibliography of the History of Science* was begun in 1913 by the historian of science George Sarton as part of his new journal *Isis*. It seeks to provide, each year, a comprehensive survey of the most recent work done in the history of science and allied fields. It covers all time periods and all disciplines and strives to be truly international in scope. Below, readers will find information on the use and structure of the bibliography as well as directions for access to the HSTM database, which includes this bibliography, and to other bibliographic sources in the history of science.

As with all such projects, there are limitations, and certain fields of study are not fully covered. In addition, the many journals that are peripheral to our field cannot be surveyed each year. There is sometimes a longer lag time for works published in those forums, as well as for works published by presses outside of North America because access is often more difficult. Individual contributions are always welcome.

Usage Notes

Naming conventions. Family names are in small caps throughout the bibliography. Articles such as *von*, *de*, and *della* are usually not considered to be part of the last name, but this varies by country and language. Asian names are given in reverse Western order. Alphabetization is by last name of the individual with primary responsibility for the text.

Cross-referencing. Cross-references are indicated with [ref.] throughout. Cross-references to book reviews are identified by an *R* before the number, and refer to items in the book review section that follows the classified listing.

Indexing of author names. In some instances an item will appear twice, once alone and once as part of an encompassing work (such as a chapter in an edited volume). In those instances, the author index lists only the independent citation.

Subject index. The terminology used in the subject index corresponds as closely as possible to terminology already in use either in the old *Isis* classification system or in one of the companion bibliographies in the History of Sci-

ence, Technology, and Medicine database (see below). New subject index terms are drawn from the Library of Congress where possible. Entirely new terminology is added at the discretion of the bibliographer.

Book reviews. In the book review section, reviews are listed alphabetically by author or editor of the book. In the author index, they are listed under the author of the review, but not author of the book.

Dissertations. Dissertations cited from Dissertation Abstracts International have been entered from the information in the electronic database UMI ProQuest Dissertation and Theses, which is a subscription database accessible through Proquest at the following website: <http://wwwlib.umi.com/dissertations/gateway>.

Source notes. In book records, some descriptions or contents lists are marked as "from WorldCat." This means that the information came directly from the OCLC WorldCat database (see <http://www.oclc.org/worldcat/>) and not from the book itself. Where a description states "from the publisher," this means that it was taken from the publisher's website or from its printed catalog.

Electronic publication conventions. Where there are both electronic and print forms of a journal record, the entry does not indicate which version was used to check the citation. Where only an electronic form exists, electronic access information is given for the article. In some cases, the Digital Object Identifier (DOI) number of an item is listed. DOI numbers are unique for all digitally published works. Works with a DOI can be located through the internet at the following url: <http://www.doi.org/>. Readers should note that access to e-published articles often requires a subscription or a fee. Many libraries will have such subscriptions but this varies widely.

General Note on Classification

The *Isis* classification system for works in the history of science is a two-level hierarchy. It emphasizes time period and discipline, and the bulk of the bibliography is found in section G. Section F deals with geographically based

cultural traditions. It is designed for subjects that are either not part of the Western scientific tradition or, as in the case of Islamic science, often studied apart from the Western historical tradition. Section E holds items classified by discipline that do not fit into the narrower chronological or cultural sections. Sections A through D accommodate works either that are very general, that focus on non-disciplinary topics, or that have a specific analytical framework.

Items whose subjects are confined to a particular chronological period in the Western scientific tradition will be found in that time period. Where a subject stretches between two periods, the item will be in the earlier period. Where a subject encompasses more than two chronological periods, the item will be placed in the topical or disciplinary category in the first part of the bibliography.

Where an item covers two disciplinary fields, it will probably be classified in one of the two fields. Items covering three or more widely disparate fields will usually be classified in a non-disciplinary category.

All items are entered only once. Because most works could easily be classified in more than one subject area, it is impossible for each classification division to contain a comprehensive list of all works relevant to that subject. Users should consult the subject index for a thorough coverage of topics.

For a more detailed description of this system, see the introduction to this bibliography in volume 93 (2002): pp. vii–viii.

HistSciTechMed Database (Changes in 2007)

Online access to the *Isis Current Bibliography* data is through the History of Science, Technology, and Medicine database (HistSciTechMed, formerly HSTM). It is hosted by OCLC and available through its First-Search platform. HistSciTechMed contains all of the data from the *Isis* bibliographies from 1974 to the present. In addition, it contains data from three other bibliographies: the *Current Bibliography in the History of Technology* (compiled by Henry Lowood for the Society for the History of Technology), containing entries from 1987 to the present; the *Bibliografia Italiana di Storia della Scienza* (BISS) from 1982 to the present; and data from the Wellcome Bibliography for the History of Medicine from 1991 to 2004, supplemented regularly with monograph citations supplied by the Wellcome Library for the History and Understanding of Medicine.

HistSciTechMed can be accessed through libraries or institutions with a subscription to the service or by individuals who are members of the History of Science Society. For individual member access, go to the HSS web site http://www.hssonline.org/teaching/teaching_database.html, click on the link, and login using the member username and password printed in the most current *History of Science Society Newsletter*.

Searching the HistSciTechMed database. Because HistSciTechMed contains data compiled by several independent bibliographers, no rigid terminological standard for indexing exists—only a loose set of conventions. Researchers using the HistSciTechMed database might find it useful to use the subject index in this volume to help them with their searches; in addition they should try variations of terms and alternatives. Information about classification and indexing can be accessed and downloaded online as well through the *Isis CB* website <http://www.ou.edu/cas/hsci/isis/website/>.

Other Bibliographic Sources

There exist numerous specialized bibliographies dealing with the history of science. To find them, search this and previous issues of the *Isis Current Bibliography*. In addition to these singly published bibliographies, there are annual publications in various fields that readers should consult, many of which are available through the internet. Below is a short and incomplete list.

A recent free internet site that might be of use for general searches is WorldCat.org, hosted by OCLC, which provides citations for books held in libraries worldwide. Access is at <http://www.worldcat.org/>.

The *Bibliografia Italiana di Storia della Scienza* is annually updated and has special strengths in Italian language sources. Their web site gives access to a searchable version of their database in either Italian or English, and has links to other useful resources. (See <http://galileo.imss.firenze.it/biblio/ebiss.html>.)

There is a periodically updated list of current works on Islamic science in the *Islamic Science Newsletter* available online at <http://islamsci.mcgill.ca/>. The Scientific Instrument Commission has an online bibliography of over 3,000 works at http://www.sic.iuhps.org/in_bibrm.htm. There are also two serially published bibliographies of note: The “Abstracts” section in each issue of *Historia Mathematica* by Glen Van Brummelen

is an excellent annotated bibliography for the history of mathematics.

Also, the “Bibliography of the History of Australian Science” compiled by J. Horacek in each volume of *Historical Records of Australian Science* provides important references to Australian scientific history. In addition, readers should be aware of the Bright Sparcs website (<http://www.asap.unimelb.edu.au/bsparcs/>), which includes biographical information as well as references to archival and bibliographical materials for Australians involved in the development of the sciences, technology, and medicine. An especially large bibliography on American science can be downloaded from <http://home.earthlink.net/~claelliott/> which is maintained by Clark Elliott.

Finally, there is an important list of internet links to resources in the history of science worldwide from the World History of Science Online website (see either <http://www.dhs-whso.org/>, which is the current url, or www.dhst-whso.org, which it will change to soon). This site is supported by the International Union of History and Philosophy of Science/Division of History of Science and Technology (IUHPS/DHST).

The *Isis Bibliography* website (<http://www.ou.edu/cas/hsci/isis/website/>) has links to these online resources and provides general information about the bibliography, its purpose, history, and ways of contributing to the project. The bibliographer welcomes comments and suggestions as well as notice of new publications for inclusion in future issues.

Acknowledgements

I want to thank those individuals who have corresponded with me over the past year. If you don't see all of the citations that you sent to me, it may be that we have not yet had a chance to fully proofread the entries. In most cases, these entries will appear next year. Emanuela Ap-petiti, Lawrence S. Larsen, and Rienk Vermij helped with foreign language proofing. Steven Livesey has annually provided help with locating hard-to-find medieval citations. I am fortunate to have an active panel of contributors and an extremely helpful advisory board. The graduate students in the History of Science Department at the University of Oklahoma provide the daily support for this project. One of the most enjoyable parts of my job as bibliographer is my weekly interaction with these new historians of science who bring a fresh perspective and great enthusiasm to the field. This year my assistants have been Sylwester Ratowt, Lisa Torres, and Jackie Brazeal. I also much appreciate Stella Stuart's periodic help on small projects and cleaning up odds and ends as needed.

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Stephen P. Weldon
Norman, Oklahoma

Information for Contributors

Scholars publishing or knowing of articles pertinent to the scope of the CB should notify the *Isis Current Bibliography* office: Send all contributions to Stephen P. Weldon, Department of History of Science, 601 Elm St., Room 618, University of Oklahoma, Norman, Oklahoma 73019-3106; email: isiscb@ou.edu; web page: <http://www.ou.edu/cas/hsci/isis/website/>. For those wishing to contribute an entry or entries, please send as much information about the items as possible. Use the entries in this bibliography to guide you. Descriptive remarks are encouraged but should be kept to about fifty words.

Journal List

The list of journal abbreviations below is a cumulative list that includes journals cited in past volumes of this bibliography. The asterisks indicate that a journal is cited this year.

Abaco Abaco (0213-6252)
Achad. Leonardi Vinci Achademia Leonardi Vinci
Acta Bot. Neerlandica Acta Botanica Neerlandica
Acta Comeniana Acta Comeniana: Archiv pro Bádáni o Zivote díle Jana Amose Komenského
Acta Geod. Geophys. Hung. Acta Geodaetica et Geophysica Hungarica (1217-8977)
Acta Hist. Astron. Acta Historica Astronomiae (1422-8521)
Acta Hist. Rerum Nat. Tech. Acta Historiae Rerum Naturalium necnon Technicarum (1211-958X)
**Acta Historica Leopoldina*
Acta Musei Morav. Supp. Acta Musei Moraviae. Supplementum: Folai Mendeliana (0085-0748)
**Acta Phil.* Acta Philosophica (1121-2179)
**Aestimatio* (1549-4497)
Agr. Hist. Agricultural History (0002-1482)
Air Power Hist. Air Power History (1044-016X)
**al-Qanṭara* al-Qanṭara (0211-3589)
Alabama Rev. Alabama Review
Albion Albion (0095-1390)
**Aleph* Aleph: Historical Studies in Science and Judaism (1565-1525)
Allg. Z. Phil. Allgemeine Zeitschrift für Philosophie
**Ambix* Ambix (0002-6980)
Amer. Anthropol. American Anthropologist
Amer. Antiq. American Antiquity (0002-7316)
Amer. Behav. Sci. American Behavioral Scientist
Amer. Cath. Phil. Quart. American Catholic Philosophical Quarterly (1051-3558)
**Amer. Hist. Rev.* American Historical Review (0002-8762)
Amer. Imago American Imago (0065-860X)
Amer. Ind. Cult. Res. J. American Indian Culture and Research Journal (0161-6463)
**Amer. Ind. Quart.* American Indian Quarterly
Amer. J. Archaeol. American Journal of Archaeology
Amer. J. Philol. American Journal of Philology (0002-9475)
Amer. J. Phys. American Journal of Physics (0002-9505)
Amer. J. Psychol. American Journal of Psychology
Amer. J. Sociol. American Journal of Sociology (0002-9602)
**Amer. Jewish Hist.* American Jewish History (0164-0178)
Amer. Lit. Hist. American Literary History (0896-7148)
Amer. Math. Mon. American Mathematical Monthly
Amer. Neptune American Neptune (0003-0155)
**Amer. Paleon.* American Paleontologist (1066-8772)
Amer. Phil. Quart. American Philosophical Quarterly
Amer. Psychol. American Psychologist
Amer. Quart. American Quarterly
Amer. Sch. American Scholar
**Amer. Scient.* American Scientist (0003-0996)
Amer. Sociol. American Sociologist
Amer. Sociol. Rev. American Sociological Review
**Amer. Stud.* American Studies
Amer. Stud. Internat. American Studies International
Americas Americas (0003-1615)
Analecta Analecta: Studia i Materiały z Dziejów Nauki (1230-1159)
Ancient Phil. Ancient Philosophy (0740-2007)
Ancient World Ancient World
Angewan. Chem. Angewandte Chemie (0044-8249)
Angewan. Chem. Int. Ed. Angewandte Chemie International Edition (0721-4227)
Anglo-Saxon Engl. Anglo-Saxon England
Ann. Amer. Acad. Polit. Soc. Sci. Annals of the American Academy of Political and Social Science (0002-7162)
Ann. Assoc. Amer. Geogr. Annals of the Association of American Geographers
Ann. Bourgogne Annales de Bourgogne
Ann. Carnegie Mus. Annals of Carnegie Museum (0097-4463)
Ann. Démogr. Hist. Annales de Démographie Historique
Ann. Hist. Comput. IEEE Annals of the History of Computing (1058-6180)
Ann. Hist. Revol. Fran. Annales historiques de la Révolution française (0003-4436)
**Ann. Iowa* Annals of Iowa
Ann. Ist. Ital. Stud. Stor. Annali dell'Istituto Italiano per gli Studi Storici
Ann. Midi Annales du Midi (0003-4398)
Ann. N. Y. Acad. Sci. Annals of the New York Academy of Sciences (0077-8923)
Ann. Naturhist. Mus. Wien Annalen des Naturhistorischen Museums in Wien
Ann. Physik Annalen der Physik (0003-3804)
Ann. Psychol. Année Psychologique (0003-5033)
**Ann. Sci.* Annals of Science (0003-3790)
Ann. Sociol. L'Année Sociologique
Annales Annales. Histoire, sciences sociales (0395-2649)
Annu. Rev. Anthropol. Annual Review of Anthropology
Annu. Rev. Phytopathol. Annual Review of Phytopathology
Annu. Rev. Sociol. Annual Review of Sociology
Anthropos Anthropos: Revista de Documentación Científica de la Culturade
Anthropozoologica Anthropozoologica (0761-3032)
Antike Naturwiss. Rezept. Antike Naturwissenschaft und Ihre Rezeption (0942-0398)

- Antiq. Horology* Antiquarian Horology and the Proceedings of the Antiquarian Horological Society (0003-5785)
- Antiquité Cl.* Antiquité Classique
- Antiquity* Antiquity (0003-598X)
- ANZ J. Surg.* ANZ Journal of Surgery
- Apeiron* Apeiron (0003-6390)
- Appl. Spectro.* Applied Spectroscopy (0003-7028)
- APS News* APS News (1058-8132)
- *Arab. Sci. Phil.* Arabic Sciences and Philosophy (0957-4239)
- Arbor* Arbor: Ciencia, Pensamiento y Cultura
- Arch. Begriffsgesch.* Archiv für Begriffsgeschichte
- Arch. Eur. Sociol.* Archives Européennes de Sociologie
- Arch. Franciscanum Hist.* Archivum Franciscanum Historicum (0004-0665)
- Arch. Gesch. Phil.* Archiv für Geschichte der Philosophie (0003-9101)
- Arch. Hist. Doct. Litt. Moyen Age* Archives d'Histoire Doctrinale et Littéraire du Moyen Âge (0373-5478)
- *Arch. Hist. Exact Sci.* Archive for History of Exact Sciences (0003-9519)
- Arch. Hist. Filozof. Myśli Spółtechnej* Archiwum Historii Filozofii i Myśli Spółtechnej (0066-6874)
- *Arch. Int. Hist. Sci.* Archives Internationales d'histoire des Sciences (0003-9810)
- Arch. Kulturgesch.* Archiv für Kulturgeschichte
- *Arch. Natur. Hist.* Archives of Natural History (0260-9541)
- Arch. Phil. (Paris)* Archives de Philosophie
- Arch. Reformationsgesch.* Archiv für Reformationsgeschichte
- Arch. Sci. Comp. Rendu Seances Soc. Phys. Hist. Nat. Geneve* Archives des Sciences et Compte Rendu des Seances de la Societe de Physique et d'Histoire Naturelle de Geneve (0252-9289)
- Arch. Sci. Soc. Relig.* Archives of Sciences Sociales des Religions
- *Arch. Trentino* Archivio Trentino
- Archaeoastronomy* Archaeoastronomy (Supplement to Journal for the History of Astronomy) (0142-7253)
- Archaeoastronomy J. Astro. Cult.* Archaeoastronomy: The Journal of Astronomy in Culture (0190-9940)
- *Archaeometry* Archaeometry (0003-813X)
- Architect. Hist.* Architectural History (0066-622X)
- Archivio Storico per le Province Napoletane* (0392-0267)
- Archiwum Hist. Filozofii Med.* Archiwum Historii i Filozofii Medycyny
- Arctos* Arctos: Acta Philologica Fennica
- Arkansas Hist. Quart.* Arkansas Historical Quarterly
- Arms Arm. Soc. J.* Arms and Armour Society Journal (0004-2439)
- Art Bull.* Art Bulletin
- Arte Medievale* Arte Medievale (0393-7267)
- Asclepio* Asclepio (0210-4466)
- Astron. Nachricht.* Astronomische Nachrichten (0004-6337)
- Astroph. Space Sci.* Astrophysics and Space Science (0004-640X)
- Atene Roma* Atene e Roma: Rassegna Trimestrale dell'Associazione Italiana di Cultura Classica
- *ATQ* (1078-3377)
- Atti Accad. Rover. Agiati Contr. Cl. Sci. Mat. Fis. Nat.* Atti della Accademia Roveretana degli Agiati, Contributi della Classe di Scienze Matematiche, Fisiche e Naturali
- *Atti Accad. Rover. Agiati Fasc. A* Accademia Roveretana degli Agiati. Atti. Fasc. A: Classe di Scienze Umane, Lettere ed Arti (1122-6064)
- Atti Accad. Sci. Torino Cl. Sci. Mor. Stor. Filol.* Atti della Accademia delle Scienze di Torino, Classe di Scienze Morali, Storiche e Filologiche
- Atti Ist. Veneto Sci. Lett. Arti Cl. Sci. Fis. Mat. Nat.* Atti dell'Istituto Veneto di Scienze, Lettere ed Arti, Classe di Scienze Fisiche, Matematiche e Naturali
- Atti Mem. Accad. Naz. Sci. Lett. Arti Modena* Atti e Memorie, Accademia Nazionale di Scienze, Lettere e Arti Modena
- Atti Mem. Accad. Patavina Sci. Lett. Arti Cl. Sci. Mat. Natur.* Atti e Memorie dell'Accademia Patavina di Scienze, Lettere ed Arti, Classe di Scienze Matematiche e Naturali
- Aurora* Aurora: Jahrbuch der Eichendorff-Gesellschaft
- Aust. J. Pol. Hist.* Australian Journal of Politics and History (0004-9522)
- Austral. Hist. Stud.* Australian Historical Studies (1031-461X)
- Austral. J. Bot.* Australian Journal of Botany (0067-1924)
- Australas. J.* Australasian Journal of Philosophy
- Auto/Biogr. Studies* Auto/Biography Studies
- Behavior.* Behaviorology (1047-8663)
- *Beit. Gesch. Geoph. Kos. Phys.* Beiträge zur Geschichte der Geophysik und Kosmischen Physik (1615-2628)
- Beitr. Astronomiegesch.* Beiträge zur Astronomiegeschichte (1422-8521)
- *Ber. Wissenschaftsgesch.* Berichte zur Wissenschaftsgeschichte (0170-6233)
- Berkeley Papers Hist. Sci.* Berkeley Papers in History of Science (0145-0379)
- Bibl. École Chartes* Bibliothèque de l'École des Chartes (0373-6237)
- Bibl. Hum. Renaiss.* Bibliothèque d'humanisme et renaissance. Travaux et documents (0006-1999)
- Bibliofilla* La Bibliofilla: Rivista di Storia del Libro e di Bibliografia
- Biogr. Mem. Fellows Royal Soc.* Biographical Memoirs of Fellows of the Royal Society (0080-4606)
- Biogr. Mem. Nat. Acad. Sci.* Biographical Memoirs of the National Academy of Sciences
- *Biol. Phil.* Biology and Philosophy (0169-3867)
- Biol. Rev. Publ. Cambridge Phil. Sci.* Biological Reviews Published for the Cambridge Philosophical Society
- Biometrika* Biometrika
- *BKI* Bijdragen tot de Taal-, Land-, en Volkenkunde
- Boll. Soc. Stud. Fiorentini* Bollettino della Società di Studi Fiorentini
- *Boll. Stor. Sci. Mat.* Bollettino di Storia delle Scienze Matematiche (0392-4432)
- *Book Hist.* Book History (1098-7371)
- Bot. Rev.* Botanical Review

- Brit. J. 18th-Cent. Stud.* British Journal for Eighteenth-Century Studies
- Brit. J. Hist. Phil.* British Journal for the History of Philosophy (0960-8788)
- **Brit. J. Hist. Sci.* British Journal for the History of Science (0007-0874)
- **Brit. J. Mid. East Stud.* British Journal of Middle Eastern Studies
- Brit. J. Phil. Sci.* British Journal for the Philosophy of Science (0007-0882)
- Brit. J. Sociol* British Journal of Sociology
- Britannia Britannica*: Journal of Romano- British and Kindred Studies
- Bruniana Campanelliana* Bruniana & Campanelliana: Ricerche Filosofiche e Materiali Storico-testuali
- Bull. Amer. Math. Soc.* Bulletin of the American Mathematical Society
- Bull. Amer. Meteor. Soc.* Bulletin of the American Meteorological Society (0003-0007)
- Bull. Ass. Guillaume Budé* Bulletin de l'Association Guillaume Budé
- Bull. Atom. Sci.* Bulletin of the Atomic Scientists
- Bull. Ecol. Soc. Amer.* Bulletin of the Ecological Society of America (0012-9623)
- Bull. École Franç. Extrême-Orient* Bulletin de l'École Française d'Extrême-Orient
- Bull. Hist. Archaeol.* Bulletin of the History of Archaeology
- **Bull. Hist. Chem.* Bulletin for the History of Chemistry (1053-4385)
- Bull. Hist. Electr.* Bulletin d'Histoire de l'Électricité
- **Bull. Hist. Med.* Bulletin of the History of Medicine (0007-5140)
- Bull. Hist. Polit.* Bulletin d'Histoire Politique
- **Bull. Latin Amer. Res.* Bulletin of Latin American Research
- Bull. Mém. Soc. Anthropol. Paris* Bulletins et Mémoires de la Société d'Anthropologie de Paris
- Bull. Menninger Clin.* Bulletin of the Menninger Clinic
- Bull. Phil. Médiév.* Bulletin de Philosophie Médiévale (0068-4023)
- Bull. Philol. Hist.* Bulletin Philologique et Historique du Comité des Travaux Historiques et Scientifiques
- Bull. Sch. Orient. Afr. Stud.* Bulletin of the School of Oriental and African Studies [London University]
- Bull. Sci. Instr. Soc.* Bulletin of the Scientific Instrument Society (0956-8271)
- **Bull. Sci. Tech. Soc.* Bulletin of Science, Technology & Society (0270-4676)
- Bull. Soc. Amis Biblio. École Polytech.* Bulletin de la Société des Amis de la Bibliothèque de l'École Polytechnique
- Bull. Soc. Etud. Sci. Archeol. Draguignan Du Var* Bulletin de la Société d'Etudes Scientifiques et Archeologiques de Draguignan et Du Var
- Bus. Econ. Hist.* Business and Economic History
- Bus. Hist.* Business History
- Bus. Hist. Rev.* Business History Review
- Byzantinische Z.* Byzantinische Zeitschrift
- Cadernos Pagu* Cadernos Pagu (0104-8333)
- Caduceus* Caduceus (0882-6447)
- Cah. Civilisation Médiévale* Cahiers de Civilisation Médiévale
- Cah. Hist. Tech.* Cahier d'Histoire des techniques (1158-8403)
- Cah. Monde Russe* Cahiers du monde russe (1252-6576)
- Cah. Sci. Vie* Les Cahiers de Science et Vie
- Cahiers Hist. Phil. Sci.* Cahiers d'Histoire et de Philosophie des Sciences. Nouvelle Serie (0221-3664)
- Can. Bull. Med. Hist.* Canadian Bulletin of Medical History/Bulletin Canadian d'Histoire de la Médecine (0823-2105)
- **Can. Hist. Rev.* Canadian Historical Review
- **Can. J. Hist.* Canadian Journal of History (0008-4107)
- Can. J. Phil.* Canadian Journal of Philosophy
- Can.-Amer. Slav. Stud.* Canadian-American Slavic Studies (0090-8290)
- **Carib. Stud.* Caribbean Studies
- Cartographica* Cartographica
- **Cath. Hist. Rev.* The Catholic Historical Review (0008-8080)
- Cauda Pavonis* Cauda Pavonis: The Hermetic Text Society Newsletter
- Cent. Eur. Hist.* Central European History (0008-9389)
- **Centaurus* Centaurus (0008-8994)
- Centennial Rev.* Centennial Review
- **Chem. Heritage* Chemical Heritage (0736-4555)
- **China Quart.* China Quarterly
- **Chinese J. Hist. Sci. Tech.* The Chinese Journal for the History of Science and Technology (1673-1441)
- Chron. Okla.* Chronicles of Oklahoma (0009-6024)
- Chrysopoeia* Chrysopoeia (0984-7340)
- Church Hist.* Church History (0009-6407)
- Churchill Review*
- Cien. Hoje* Ciência Hoje (0101-8515)
- Cl. J.* Classical Journal
- Cl. Philol.* Classical Philology
- Cl. Quart.* Classical Quarterly
- Cl. Rev.* Classical Review
- Cl. World* Classical World
- Clin. Chem.* Clinical Chemistry (0009-9147)
- Clio* Clio: Interdisciplinary Journal of Literature, History, and the Philosophy of History
- **Col. Latin Amer. Rev.* Colonial Latin American Review
- College Math. J.* College Mathematics Journal (0746-8342)
- Comm. ACM* Communications of the Association for Computing Machinery (ACM)
- Common Knowl.* Common Knowledge (0961-754X)
- Comp. Stud. Soc. Hist.* Comparative Studies in Society and History
- Compendium* Compendium
- Compt. Rend. Acad. Inscriptions Belles Lett.* Comptes Rendus de l'Académie des Inscriptions et Belles-Lettres
- Comptes Rend. Congr. Nat. Soc. Savant. Sect. Sci.* Comptes Rendus du Congrès National des Sociétés Savantes, Section des Sciences
- Conf. Soc. Philomath. Paris* Les Conférences de la Sociétés Philomathique de Paris

- *Configurations* Configurations (1063-1801)
Construc. Hist. Construction History
**Cont. Europ. Hist.* Contemporary European History (0960-7773)
Contention Contention
Contin. Change Continuity and Change (0268-4160)
**Coord. Online J. Map Geog. Round Table*
 Coordinates: Online Journal of the Map and Geography Round Table, American Library Association. (1553-3247)
Corpus Corpus: Revue de Philosophie
Crit. Inq. Critical Inquiry (0093-1896)
**Cromohs* (1123-7023)
Cronos Cronos (1139-711X)
Cryptologia Cryptologia
Cuad. Hist. Med. Españ. Cuadernos de Historia de la Medicina Española
Cuadern. Hist. Contemp. Cuadernos de Historia Contemporánea (0214-400X)
Cult. Anthropol. Cultural Anthropology
Cult. Cosmos Culture and Cosmos (1368-6534)
Cult. Critique Cultural Critique
Cult. Dynam. Cultural Dynamics (0921-3740)
Cult. Med. Psychiat. Culture, Medicine and Psychiatry
Cult. Scu. Cultura e Scuola
Cultura (Rome) Cultura: Rivista Trimestrale
Curr. Anthropol. Current Anthropology
Curr. Work Hist. Med. Current Work in the History of Medicine (0011-3999)
**Czech Hist. Rev.* Český časopis historický (0862-6111)
Dae-Dong-Mun-Hwa-Yongu
 Dae-Dong-Mun-Hwa-Yongu (The Journal of Eastern Studies)
Dædalus Dædalus (0011-5266)
Dahlemer Archivgespr. Dahlemer Archivgespräche (1431-6641)
Dalhousie Rev. Dalhousie Review
Danish Yearbk. Phil. Danish Yearbook of Philosophy
Daphnis Daphnis: Zeitschrift für Mittlere Deutsche Literatur
**Deut. Arch. Erforschung Mittel.* Deutsches Archiv für Erforschung des Mittelalters (0012-1223)
Deut. Vierteljahrsschr. Literaturwiss. Geistesgesch. Deutsch Vierteljahrsschrift für Literaturwissenschaft und Geistesgeschichte
Deut. Z. Phil. Deutsche Zeitschrift für Philosophie
Dialectica Dialectica: International Review of Philosophy of Knowledge
Dialogue Dialogue: Canadian Philosophical Review
**Dianoia* Dianoia: Annali di storia della filosofia (1125-1514)
Diderot Stud. Diderot Studies
Differences Differences: A Journal of Feminist Cultural Studies
Dilthey-Jahrb. Dilthey-Jahrbuch für Philosophic und Geschichte der Geisteswissenschaften
DIO DIO
Diogenes Diogenes (0392-1921)
**Diplomatic Hist.* Diplomatic History
Discurso Discurso (0188-1825)
**Diss. Abstr. Int. A* Dissertation Abstracts International. A (0419-4209)
**Diss. Abstr. Int. B* Dissertation Abstracts International. B (0419-4217)
**Diss. Abstr. Int. C* Dissertation Abstracts International. C (1042-7279)
Dix-huit. Siècle Dix-huitième siècle (0070-6760)
Docum. Stud. Trad. Fil. Mediev. Documentie Studi sulla Tradizione Filosofica Medievale: Rivista della Società Internazionale per lo Studio del Medioevo Latino
Dong Bang Hak Chi Dong Bang Hak Chi (The Journal of Korean Studies)
Dubrovnik Ann. Dubrovnik Annals (1331-3878)
Dumbarton Oaks Pap. Dumbarton Oaks Papers (0070-7546)
Durham Univ. J. Durham University Journal (0012-7280)
Durkheim. Stud. Durkheimian Studies (1362-024X)
**Dynamis* Dynamis (0211-9536)
E.I.A.L. Estudios Interdisciplinarios de America Latina y el Caribe (07927061)
**Early Amer. Stud.* Early American Studies
Early Mediev. Eur. Early Medieval Europe (0963-9462)
**Early Sci. Med.* Early Science and Medicine (1383-7427)
**Earth Sci. Hist.* Earth Sciences History (0736-623X)
East Eur. Quart. East European Quarterly
**EASTM* East Asian Science, Technology, and Medicine (1562-918X)
Ecology Ecology (0012-9658)
Econ. Bot. Economic Botany
**Econ. Hist. Rev.* Economic History Review
Econ. Soc. Economy and Society
Ecosystems Ecosystems (1432-9840)
**Eighteenth Cent. Theory Interpr.* Eighteenth Century: Theory and Interpretation
**Eighteenth-Cent. Life* Eighteenth-Century Life
Eighteenth-Cent. Stud. Eighteenth-Century Studies (0013-2586)
ELH ELH: English Literary History (0013-8304)
**Endeavour* Endeavour (0160-9327)
Éndoxa Éndoxa (1133-5351)
**Engl. Hist. Rev.* English Historical Review
Engl. Lang. Notes English Language Notes
Engl. Stud. English Studies
Enlight. and Dissent Enlightenment and Dissent (0262-7612)
Environ. and Hist. Environment and History
**Environ. Hist.* Environmental History (1084-5453)
EOS Eos: Transactions, American Geophysical Union (0096-3941)
Episteme Episteme: Filosofia e História da Ciência em Revista (1413 - 5736)
Epistemologia Epistemologia (0392-9760)
Eranos Eranos: Acta Philologica Suecana
Erkenntnis Erkenntnis: International Journal of Analytic Philosophy
Essays Arts Sci. Essays in Arts and Sciences
**Essays Med. Stud.* Essays in Medieval Studies (1043-2213)
Estud. Hist. Ciencias Téc. Estudos de Historia das Ciências e das Técnicas
Ethics Sci. Med. Ethics in Science and Medicine (0306-4581)

- Ethnic Racial Stud.* Ethnic and Racial Studies
- **Ethnohist.* Ethnohistory: Journal of the American Society for Ethnohistory
- Étud. Phil.* Études Philosophiques (0014-2166)
- Étud. Renan.* Études Renaniennes
- Étud. XVIII Siècle* Études sur le XVIIIe Siècle
- Euphrosyne* Euphrosyne: Revista de Filología Classica
- Eur. Astron. Soc. News.* European Astronomical Society Newsletter
- Eur. Hist. Quart.* European History Quarterly
- Eur. J. Phys.* European Journal of Physics
- Eur. Legacy* European Legacy (1084-8770)
- **Eur. Rev.* European Review
- Eur. Romantic Rev.* European Romantic Review
- Eurasian Soil Sci.* Eurasian Soil Science (1064-2293)
- Europhys. News* Europhysics News (0531-7479)
- Exemplaria* Exemplaria: A Journal of Theory in Medieval and Renaissance Studies
- Explor. Econ. Hist.* Explorations in Economic History
- FASEB J.* The FASEB Journal
- Feminist Stud.* Feminist Studies
- Filozofski Vest.* Filozofski Vestnik (0353-4510)
- Folia Mendel.* Folia Mendeliana Musei Moravia
- Fortschr. Neurol. Psychiat.* Fortschritte der Neurologie, Psychiatrie
- **Found. Chem.* Foundations of Chemistry (1386-4238)
- Found. Phys.* Foundations of Physics (0015-9018)
- Found. Sci.* Foundations of Science (1233-1821)
- Franciscan Stud.* Franciscan Studies (0080-5459)
- **French Col. Hist.* French Colonial History (1539-3402)
- **French Forum* (0098-9355)
- French Hist.* French History (0269-1191)
- French Hist. Stud.* French Historical Studies (0016-1071)
- Frühmittelalt. Stud.* Frühmittelalterliche Studien (0071-9706)
- Futuribles* Futuribles
- Garden Hist.* Garden History
- Gaz. Arch.* La Gazette des Archives
- Gend. & Hist.* Gender and History (0953-5233)
- Genders* Genders
- Genèses* Genèses: Sciences Sociales et Histoire
- Genet. Resour. Crop Evol.* Genetic Resources and Crop Evolution (0925-9864)
- Geof. Internat.* Geofísica Internacional (0016-7169)
- Geogr. J.* Geographical Journal
- Geogr. Rev.* Geographical Review
- Geogr. Z.* Geographische Zeitschrift (0016-7479)
- Geohist. Bl.* Geohistorische Blätter (1436-3135)
- Geologische Bundesanstalt. Abhandlungen*
Geologische Bundesanstalt. Abhandlungen (0378-0864)
- **Georgia Hist. Quart.* Georgia Historical Quarterly
- Georgia J. Sci.* Georgia Journal of Science
- Germ. Hist.* German History (0266-3554)
- **Germ. Hist. Instit. Bull.* German Historical Institute Bulletin (1048-9134)
- Germ. Rev.* The Germanic Review
- **Germ. Stud. Rev.* German Studies Review
- **Gesch. Gesell.* Geschichte und Gesellschaft (0340-613X)
- **Gesnerus* Gesnerus (0016-9161)
- **Gewina* Gewina (0928-303X)
- Glotta* Glotta: Zeitschrift griechische und lateinische Sprache
- Goethe Jahrb.* Goethe Jahrbuch
- Grad. Fac. Phil. J.* Graduate Faculty Philosophy Journal (0093-4240)
- Gradhiva* Gradhiva (Département Archives et d'Ethnographie du Musée de l'Homme, Paris)
- Great Ideas Today* Great Ideas Today
- Greece Rome* Greece and Rome
- **Greek Roman Byzantine Stud.* Greek, Roman, and Byzantine Studies
- **Guangxi Minzu Xueyuan Xuebao* Guangxi Minzu Xueyuan Xuebao
- Gutenberg Jahrb.* Gutenberg Jahrbuch (0072-9094)
- Han'guk Kwahak-sa Hakhoe-ji* Han'guk Kwahak-sa Hakhoe-ji (Journal of the Korean History of Science Society) (1229-7895)
- **Han'guk Munhwa* Han'guk Munhwa (Korean Culture)
- **Han-gook-sa Yeon-goo* Han-gook-sa Yeon-goo (Journal of Korean History)
- **Han-kuk-sasangsahak* Han-kuk-sasangsahak (The Study of Korean History of Thoughts)
- Hanxue yanjiu* Hanxue yanjiu (Chinese Studies) (02544466)
- **Harvard J. Asia. Stud.* Harvard Journal of Asiatic Studies
- Harvard Libr. Bull.* Harvard Library Bulletin (0017-8136)
- Hegel Jahrb.* Hegel Jahrbuch
- **Helv. Chim. Acta* Helvetica Chimica Acta (0018-019X (print), 1522-2675 (online))
- Hermes* Hermes: Zeitschrift für Klassische Philologie
- **Heroic Age: J. Early Med. Northwest. Eur.* The Heroic Age: A Journal of Early Medieval Northwestern Europe (1526-1867)
- Himal. Res. Bull.* Himalayan Research Bulletin
- **Hispanic Amer. Hist. Rev.* Hispanic American Historical Review
- Hispanic Rev.* Hispanic Review
- Hist. & Anthropol.* History and Anthropology (0275-7206)
- **Hist. & Mem.* History and Memory: Studies in Representation of the Past (0935-560X)
- **Hist. & Tech.* History and Technology (0734-1512)
- Hist. & Theory* History and Theory (0018-2656)
- **Hist. Africa* History in Africa (0361-5413)
- Hist. Anthropol. Newslett.* History of Anthropology Newsletter (0362-9074)
- Hist. Childhood Quart.* History of Childhood Quarterly
- Hist. Écon. Soc.* Histoire, Économie et Société
- **Hist. Educ.* History of Education (0046-760X)
- **Hist. Educ. Quart.* History of Education Quarterly (0018-2680)
- Hist. Educ. Rev.* History of Education Review (0819-8691)
- Hist. et Nature* Histoire et Nature (0396-9681)
- Hist. Europ. Ideas* History of European Ideas (0191-6599)

- Hist. High. Educ. Ann.* History of Higher Education Annual (0737-2698)
- Hist. Hum. Sci.* History of the Human Sciences (0952-6951)
- Hist. J.* Historical Journal (0018-246X)
- **Hist. Math.* Historia Mathematica (0315-0860)
- Hist. Mesure* Histoire et Mesure (0982-1783)
- **Hist. Mex.* Historia Mexicana
- **Hist. Phil. Life Sci.* History and Philosophy of the Life Sciences (0391-9714)
- **Hist. Phil. Logic* History and Philosophy of Logic (0144-5340)
- **Hist. Phil. Quart.* History of Philosophy Quarterly (0740-0675)
- Hist. Phys.* History of Physics Newsletter (1048-1338)
- Hist. Pol. Thought* History of Political Thought (0143-781X)
- Hist. Psychiat.* History of Psychiatry (0957-154X)
- **Hist. Psychol.* History of Psychology (1093-4510)
- **Hist. Rec. Aust. Sci.* Historical Records of Australian Science (0727-3061)
- Hist. Reflect.* Historical Reflections/Réflexions Historiques
- Hist. Relig.* History of Religions (0018-2710)
- Hist. Res.* Historical Research: The Bulletin of the Institute of Historical Research (0950-3471)
- Hist. Rev. New Bks.* History: Reviews of New Books (0361-2759)
- **Hist. Sci.* History of Science (0073-2753)
- Hist. Sci. Médicales* Histoire des Sciences Médicales (0440-8888)
- **Hist. Scientiarum* Historia Scientiarum (0285-4821)
- **Hist. Stud. Phys. Biol. Sci.* Historical Studies in the Physical and Biological Sciences (0890-9997)
- Hist. Teach.* History Teacher (0018-2745)
- Hist. Tech.* History of Technology (0307-5451)
- Hist. Today* History Today
- Hist. Univ.* History of Universities (0144-5138)
- Hist. Workshop J.* History Workshop Journal (1363-3554)
- Hist. Z.* Historische Zeitschrift (0018-2613)
- Histoire Educ.* Histoire de l'Éducation (0221-6280)
- Historia* Historia (0018-2311)
- Historian* Historian: Journal of History
- **History* History (0018-2648)
- Homme* Homme: Revue Française d'Anthropologie
- Homme Société* Homme et la Société
- Hsin-shih-hsueh* Hsin-shih-hsueh (New History) (1023-2249)
- Hum. Tech. Rev.* Humanities and Technology Review
- Humboldt* Humboldt (Internationales Nations)
- Humor Health J.* Humor and Health Journal
- Huntia* Huntia (0073-4071)
- Huntington Libr. Quart.* Huntington Library Quarterly
- Hyeondae Bukhan Yeonku* Hyeondae Bukhan Yeonku (North Korean Studies Review)
- HYLE* Hyle (1433-5158)
- I Tatti Stud.* I Tatti Studies: Essays in the Renaissance
- Icon* Icon: Journal of the International Committee for the History of Technology
- Ideal. Stud.* Idealistic Studies
- **Imago Mundi* Imago Mundi (0308-5694)
- Impact Sci. Soc.* Impact of Science on Society (0019-2872)
- **Indian J. Hist. Sci.* Indian Journal of History of Science (0019-5235)
- **Indiana Mag. Hist.* Indiana Magazine of History
- Indust. Archaeol.* Industrial Archaeology (0019-7971)
- **Industrial and Corporate Change*
- **Int. J. Mid. East Stud.* International Journal of Middle East Studies
- Int. J. Phil. Stud.* International Journal of Philosophical Studies
- Int. J. Psychiat.* International Journal of Psychiatry
- Int. J. Psychoanal.* International Journal of Psychoanalysis
- **Int. Phil. Quart.* International Philosophical Quarterly
- Int. Rev. Soc. Hist.* International Review of Social History
- Int. Stud. Phil. Sci.* International Studies in the Philosophy of Science (0269-8595)
- Int. Z. Phil.* Internationale Zeitschrift für Philosophie
- **Interdiscipl. Sci. Rev.* Interdisciplinary Science Reviews (0308-0188)
- Internat. J. Devel. Biol.* International Journal of Developmental Biology (0214-6282)
- Internat. Soc. Sci. J.* International Social Science Journal (0020-8701)
- Interpretation* Interpretation: A Journal of Political Philosophy
- Intersezioni* Intersezioni: Rivista di Storia delle Idee
- Intertexts* Intertexts
- Invest. Cienc.* Investigación y Ciencia (0210-136X)
- **Iran. Stud.* Iranian Studies
- Irish Astron. J.* The Irish Astronomical Journal
- Irish Hist. Stud.* Irish Historical Studies: Joint Journal of the Irish Historical Society and the Ulster Society for Irish Historical Studies (0021-1214)
- **Isis* Isis (0021-1753)
- Islam. Sci. Newslett.* Islamic Science Newsletter
- **Israel Studies* (1084-9513)
- Issues Sci. Tech.* Issues in Science and Technology (0748-5492)
- Issues Writing* Issues in Writing
- Istor: Astron Issled.* Istoriko-Astronomicheskii Issledovaniia
- Istor: Metodol. Estestv. Nauk* Istorii i Metodologii Estestvennykh Nauk
- Iz. Ist. Biol.* Iz. Istori Biologii
- J. Aesthet. Art Crit.* Journal of Aesthetics and Art Criticism
- J. Amer. Acad. Relig.* Journal of the American Academy of Religion (0002-7189)
- **J. Amer. Cult.* Journal of American Culture
- J. Amer. Hist.* Journal of American History (0021-8723)
- J. Amer. Orient. Soc.* Journal of the American Oriental Society
- J. Amer. Res. Cent. Egypt* Journal of the American Research Center in Egypt
- J. Anthropol. Soc. Oxford* Journal of the Anthropological Society of Oxford

- J. Arch. Org.* Journal of Archival Organization (1533-2748)
- J. Asia.* Journal Asiatique
- **J. Asian Stud.* Journal of Asian Studies (0021-9118)
- J. Astron. Hist. Herit.* Journal of Astronomical History and Heritage (1440-2507)
- J. Atmos. Sol.-Terr. Phys.* Journal of Atmospheric and Solar-Terrestrial Physics (1364-6826)
- **J. Black Stud.* Journal of Black Studies
- **J. Brit. Stud.* Journal of British Studies
- **J. Can. Stud.* Journal of Canadian Studies
- J. Chem Educ.* Journal of Chemical Education (0021-9584)
- **J. Classic. Soc.* Journal of Classical Sociology
- J. Cold War Stud.* Journal of Cold War Studies (1520-3972)
- **J. Colonialism Col. Hist.* Journal of Colonialism and Colonial History (1532-5768)
- J. Contemp. Hist.* Journal of Contemporary History (0022-0094)
- **J. Dial. Natur.* Journal of Dialectics of Nature
- J. Early Mod. Hist.* Journal of Early Modern History
- **J. Early Repub.* Journal of the Early Republic
- **J. Econ. Hist.* Journal of Economic History
- J. Egypt. Archaeol.* Journal of Egyptian Archaeology
- J. Eur. Econ. Hist.* Journal of European Economic History
- J. Eur. Stud.* Journal of European Studies (0047-2441)
- J. Gen. Phil. Sci.* Journal for General Philosophy of Science (0925-4560)
- J. Geoph. Res.* Journal of Geophysical Research (0148-0227)
- J. Hellen. Stud.* Journal of Hellenic Studies
- J. Hist. Arabic Sci.* Journal for the History of Arabic Science (0379-2927)
- **J. Hist. Astron.* Journal for the History of Astronomy (0021-8286)
- **J. Hist. Behav. Sci.* Journal of the History of the Behavioral Sciences (0022-5061)
- **J. Hist. Biol.* Journal of the History of Biology (0022-5010)
- **J. Hist. Collect.* Journal of the History of Collections (0954-6650)
- J. Hist. Dent.* Journal of the History of Dentistry (1089-6287)
- J. Hist. Econ. Thought* Journal of the History of Economic Thought
- J. Hist. Geogr.* Journal of Historical Geography
- **J. Hist. Ideas* Journal of the History of Ideas (0022-5037)
- **J. Hist. Med. Allied Sci.* Journal of the History of Medicine and Allied Sciences (0022-5045)
- J. Hist. Metall. Soc.* Journal of the Historical Metallurgy Society
- **J. Hist. Neurosci.* Journal of the History of the Neurosciences (0964-704X)
- **J. Hist. Phil.* Journal of the History of Philosophy (0022-5053)
- J. Hist. Sexual.* Journal of the History of Sexuality
- J. Hist. Sociol.* Journal of Historical Sociology
- J. Illinois Hist.* Journal of Illinois History
- J. Indo-Euro. Stud.* Journal of Indo-European Studies (0092-2323)
- J. Indo-Judaic Stud.* Journal of Indo-Judaic Studies (1206-9930)
- J. Indust. Hist* Journal of Industrial History (1463-6174)
- J. Inst. Romance Stud.* Journal of the Institute of Romance Studies
- J. Interdis. Hist.* Journal of Interdisciplinary History (0022-1953)
- **J. Japan. Stud.* Journal of Japanese Studies
- J. Latin Amer. Stud.* Journal of Latin American Studies
- J. Med. & Phil.* Journal of Medicine and Philosophy (0360-5310)
- J. Med. Biogr.* Journal of Medical Biography (0967-7720)
- J. Med. Latin* Journal of Medieval Latin (0778-9750)
- J. Med. Primat.* Journal of Medical Primatology
- J. Medieval Early Mod. Stud.* Journal of Medieval and Early Modern Studies (1082-9636)
- J. Medieval Hist.* Journal of Medieval History (0304-4181)
- **J. Mil. Hist.* Journal of Military History
- J. Miss. Hist.* Journal of Mississippi History (0022-2771)
- J. Mod. Hist.* Journal of Modern History (0022-2801)
- J. Music Theory* Journal of Music Theory
- **J. Near East. Stud.* Journal of Near Eastern Studies
- J. Pac. Hist.* Journal of Pacific History (0022-3344)
- J. Phil.* Journal of Philosophy
- J. Phil. Res.* Journal of Philosophical Research
- J. Policy Hist.* Journal of Policy History
- J. Psychohist.* Journal of Psychohistory
- J. Relig.* Journal of Religion
- J. Roman Archaeol.* Journal of Roman Archaeology
- J. Roman Stud.* Journal of Roman Studies
- J. Roy. Astron. Soc. Can.* Journal of the Royal Astronomical Society of Canada
- J. Roy. Austral. Hist. Soc.* Journal of the Royal Australian Historical Society
- J. Roy. Coll. Gen. Pract.* Journal of the Royal College of General Practitioners
- J. Roy. Coll. Phys. London* Journal of the Royal College of Physicians of London
- J. Roy. Soc. Antiquar. Ireland* Journal of the Royal Society of Antiquaries of Ireland
- J. Savants* Journal des Savants
- **J. Siam Soc.* Journal of the Siam Society
- J. Soc. Architect. Hist.* Journal of the Society of Architectural Historians
- J. Soc. Hist.* Journal of Social History
- **J. South. African Stud.* Journal of Southern African Studies
- **J. South. Hist.* Journal of Southern History
- **J. Southeast Asian Stud.* Journal of Southeast Asian Studies
- **J. Stat. Phys.* Journal of Statistical Physics
- **J. Transdisc. Res. South. Africa* The Journal for Transdisciplinary Research in Southern Africa (1817-4434)
- J. Transp. Hist.* Journal of Transport History
- J. Urban Hist.* Journal of Urban History
- J. Victorian Cult.* Journal of Victorian Culture
- J. Warburg Courtauld Inst.* Journal of the Warburg and Courtauld Institutes (0075-4390)

- J. Washington Acad. Sci.* Journal of the Washington Academy of Sciences (0043-0439)
- J. Women's Hist.* Journal of Women's History
- **J. World Hist.* Journal of World History (1045-6007)
- Jaarb. Voorasiat.-Egypt. Genootsch.* Jaarbericht van het Voorasiatisch-Egyptisch Genootschaap "Ex Oriente Lux"
- Jahr. österreichischen Byzant.* Jahrbuch der österreichischen Byzantinistik (0378-8660)
- **Jahrb. Eur. Wissenschaftskult.* Jahrbuch für Europäische Wissenschaftskultur (1860-7837)
- Jahrb. Freien Deut. Hochstifts* Jahrbuch des Freien Deutschen Hochstifts
- Jahrb. Gesch. Mittel- Ostdeut.* Jahrbuch für die Geschichte Mittel- und Ostdeutschlands
- Jahrb. Gesch. Osteur.* Jahrbücher für Geschichte Osteuropas (0021-4019)
- Jahrb. Gesch. Theor. Biol.* Jahrbuch für Geschichte und Theorie der Biologie (0944-3266)
- Jahrb. Soziologiegesch.* Jahrbuch für Soziologiegeschichte
- Jahrb. Universitätsgesch.* Jahrbuch für Universitätsgeschichte (1435-1358)
- Jahrb. Wiener Goethe Ver.* Jahrbuch des Wiener Goethe-Verein
- Jahresber. Deut. Math. Ver.* Jahresberichte der Deutschen Mathematiker-Vereinigung
- **JAMA* JAMA (0098-7484)
- Janus* Janus (0021-4264)
- Jap. Stud. Hist. Sci.* Japanese Studies in the History of Science (0090-0176)
- JASIST* Journal of the American Society for Information Science and Technology (0002-8231)
- **Jewish Hist.* Jewish History
- **Jewish Quart. Rev.* The Jewish Quarterly Review
- **Jewish Soc. Stud.* Jewish Social Studies: History, Culture, and Society
- Jindaishi yanjiuso jikan* Jindaishi yanjiuso jikan (Bulletin of the Institute of Modern History, Academia Sinica) (1029-4740)
- **Journal of the Guilded Age and Progressive Era*
- Journal x* Journal x: A Journal in Culture and Criticism
- Kagakugijutsushi* Kagakugijutsushi (The Japanese Journal for the History of Science and Technology)
- **Kagakushi Ken. (Chem.)* Kagakushi Kenkyu (History of Chemistry) (0386-9512)
- Kagakushi Ken. (Hist. Sci.)* Kagakushi Kenkyu (History of Science) (0022-7692)
- Kairós* Revista Kairós (1516-2567)
- **Kansas Hist.* Kansas History: A Journal of the Central Plains
- Kant Stud.* Kant-Studien
- Keji yiliao yu shihui* Keji yiliao yu shihui (Taiwanese Journal for the Study of Science, Technology and Medicine)
- **Kexue Jishu yu Bianzhengfa* Kexue Jishu yu Bianzhengfa (Science, Technology, and Dialectics) (1003-5680)
- **Kiva* Kiva: The Journal of Southwestern Anthropology and History
- KLIO* Klio (0075-6334)
- Knowl. Soc.* Knowledge and Society: The Anthropology of Science and Technology
- Knowl. Tech. Policy* Knowledge, Technology, and Policy (0897-1986)
- Knowledge* Knowledge: Creation, Diffusion, Utilization
- **Korea J.* Korea Journal
- **Korea Obser.* Korea Observer
- Korot* Korot (0023-4109)
- Kritika* Kritika: Explorations in Russian and Eurasian History
- Kult. Tech.* Kultur & Technik: Zeitschrift des Deutschen Museums
- Kwart. Hist. Nauk. Tech.* Kwartalnik Historii Nauki i Techniki (0023-589X)
- **Latin Amer. Res. Rev.* Latin American Research Review
- Latomus* Latomus: Revue d'Études Latines
- Laval Théol. Phil.* Laval Théologique et Philosophique
- Le Moy. Age* Le Moyen âge (0027-2841)
- Leonardo* Leonardo (0024-094X)
- Lessing Yearbk.* Lessing Yearbook
- Lett. Ital.* Lettere Italiane
- Leviathan* Leviathan: Zeitschrift für Sozialwissenschaft
- Lex. Phil.* Lexicon Philosophicum: Quaderni di Terminologia Filosofica e Storia delle Idee
- Lias* Lias: Sources and Documents Relating to the Early Modern History of Ideas
- Library* Library: Transactions of the Bibliographical Society, London
- Lichtenberg-Jahrb.* Lichtenberg-Jahrbuch
- Linnean* The Linnean: Newsletter and Proceedings of the Linnean Society of London
- **Lishi yuyan yanjiuso jikan* Lishi yuyan yanjiuso jikan (Bulletin of the Institute of History and Philology, Academia Sinica) (1012-4195)
- **Llull* Llull (0210-8615)
- Local Hist.* The Local Historian
- Locke Newslett.* The Locke Newsletter
- **Logos* (0868-7692)
- London J.* London Journal
- **Louisiana Hist.* Louisiana History
- Ludus Vitalis* Ludus Vitalis: Revista de Filosofia de las Ciencias de la Vida
- **Lychnos* Lychnos (0076-1648)
- Majallat Kulliyat al-Adab wa-al-'Ulum al-Insaniyah* Majallat Kulliyat al-Adab wa-al-'Ulum al-Insaniyah (0258-1132)
- **Manchester Region History Review* (0952-4320)
- Manguinhos* História, Ciências, Saúde (Manguinhos) (0104-5970)
- Mankind Quart.* Mankind Quarterly
- Manuscripta* Manuscripta
- Manuscripta Orient.* Manuscripta Orientalia (1238-5018)
- Mariner's Mirror* Mariner's Mirror
- **Maryland Hist.* Maryland Historian
- **Maryland Hist. Mag.* Maryland Historical Magazine
- Mat. Disc. Anal. Testi Class.* Materiali e Discussioni per l'Analisi dei Testi Classici
- Math. Semesterber.* Mathematische Semesterberichte
- Math. Teach.* Mathematics Teacher
- **Mathematics Magazine*

- Mathesis* Mathesis: Filosofia e Historia de las Matemáticas
- Meas. Sci Tech.* Measurement Science and Technology (0957-0233)
- Med. Gesell. Gesch.* Medizin, Gesellschaft, und Geschichte (0939-351X)
- Med. Hist.* Medical History (0025-7273)
- Mediaeval Stud.* Mediaeval Studies
- Mediaevalia* Mediaevalia: A Journal of Mediaeval Studies
- Mediaevalia Phil. Polonorum* Mediaevalia Philosophica Polonorum
- Medieval Phil. Theol.* Medieval Philosophy and Theology (1057-0608)
- Medieval Prosopogr.* Medieval Prosopography
- Mediaevalia Hum.* Mediaevalia et Humanistica: Studies in Medieval and Renaissance Culture
- Medioevo* Medioevo: Saggi e Ressegne
- Medizinhist. J.* Medizinhistorisches Journal (0025-8431)
- Melbourne Hist. J.* Melbourne Historical Journal
- Mém. Acad. Sci. Arts Belles-Lett. Dijon* Mémoires de l'Académie des Sciences, Arts et Belles-Lettres de Dijon
- Mem. Accad. Sci Torino Cl. Sci. Fis. Mat. Natur.* Memorie della Accademia delle Scienze di Torino, Classe di Scienze Fisiche Matematiche e Naturali
- Mem. Roy. Astron. Soc. Lond.* Memoirs of the Royal Astronomical Society of London
- Memorandum* Memorandum (1676-1669)
- Mendel Newslett.* Mendel Newsletter (0025-9241)
- Mercury* Mercury (0047-6773)
- *Metascience* Metascience (0815-0796)
- Meteor. Planet. Sci.* Meteoritics and Planetary Science
- *Mex. Stud.* Mexican Studies
- MHNH* MHNH (Revista Internacional de Investigación sobre Magia y Astrología Antiguas) (1578-4517)
- Mich. Acad.* Michigan Academician: Papers of the Michigan Academy of Science, Arts, and Letters (0026-2005)
- Micrologus* Micrologus (1123-2560)
- *Mid. East Stud.* Middle Eastern Studies
- Mid. East Stud. Assoc. Bull.* Middle East Studies Association Bulletin (0026-3184)
- Minerva* Minerva (0026-4695)
- *Ming Stud.* Ming Studies
- Mining Hist. J.* Mining History Journal
- Misc. Marciana* Miscellanea Marciana
- *Missouri Hist. Rev.* Missouri Historical Review
- Mitt. Berliner Gesell. Anthro. Ethn. Urgesch.* Mitteilungen der Berliner Gesellschaft für Anthropologie Ethnologie und Urgeschichte (0178-7896)
- Mitt. Deutsch. Math.-Vereinig.* Mitteilungen der Deutschen Mathematiker-Vereinigung
- Mitt. Forschungsbeitr. Cusanus Ges.* Mitteilungen und Forschungsbeiträge der Cusanus- Gesellschaft
- Mitt. Gauss Ges.* Mitteilungen, Gauss- Gesellschaft E.V. Göttingen (0435-1452)
- *Mitt. Ges. Deut. Chem. Fachgr. Gesch. Chem.* Mitteilungen (0934-8506)
- Mitt. Naturforsch. Ges. Bern* Mitteilungen der Naturforschenden Gesellschaft in Bern
- Mittellatein. Jahrb.* Mittellateinisches Jahrbuch: Internationale Zeitschrift für Mediavistik
- MLN* Modern Language Notes
- Mnemosyne* Mnemosyne: Bibliotheca Philologica Classica Batava
- Mod. Philol.* Modern Philology (0026-8232)
- Mod. Schoolman* Modern Schoolman
- Mod. Theol.* Modern Theology (0266-7177)
- Modernism/Modernity* Modernism/Modernity (1080-6601; 1071-6068)
- *Mon. Nipp.* Monumenta Nipponica
- Monatsber. Deut. Akad. Wiss. Berlin* Monatsberichte der Deutschen Akademie der Wissenschaften zu Berlin
- Monatshefte* Monatshefte
- Monist* Monist: An International Quarterly Journal of General Philosophical Inquiry
- Monograf. Dziejow Nauki Tech.* Monografie z Dziejow Nauki i Techniki (0077-054X)
- Mosaic* Mosaic: Journal for the Comparative Study of Literature and Ideas
- N. Y. Hist.* New York History (0146-437X)
- N. Y. Rev. Bks.* New York Review of Books (0028-7504)
- Nagoya Kogyo Daigaku gakuho* Nagoya Kogyo Daigaku gakuho (0369-3171)
- Natur. Soc. Thought* Nature, Society, and Thought: A Journal of Dialectical and Historical Materialism
- *Nature* Nature (0028-0836)
- *Naturwiss. Rundsch.* Naturwissenschaftliche Rundschau (0028-1050)
- Naukov. Naukovedenie*
- Near East. Archaeol.* Near Eastern Archaeology (1094-2076)
- *Nei Menggu Shifan Daxue Xuebao (Ziran Kexue Ban)* Nei Menggu Shifan Daxue Xuebao (Ziran Kexue Ban) (Journal of Inner Mongolia Normal University [Natural Science Edition])
- Neuphilolog. Mitteil.* Neuphilologische Mitteilungen
- Neuroscientist* The Neuroscientist
- Neusis* Neusis
- New Engl. Quart.* New England Quarterly
- New Ideas Psychol.* New Ideas in Psychology
- New Phil.* New Philosophy (0028-6443)
- New Scientist* New Scientist (0262-4079)
- New Vico Stud.* New Vico Studies
- News HOPOS* Newsletter of HOPOS (1544-9912 (formerly 1527-9332))
- Nineteenth-Cent. Prose* Nineteenth-Century Prose
- Nineteenth-Cent. Stud.* Nineteenth-Century Studies (0893-7931)
- *Noesis* (1223-4249)
- Nord. Mat. Tidsskr.* Nordisk Matematisk Tidsskrift
- North Carolina Hist. Rev.* North Carolina Historical Review (0029-2494)
- North. Hist.* Northern History (0078-172X)
- Northeastern Geology*
- *Notes Rec. Roy. Soc. Lond.* Notes and Records of the Royal Society (0035-9149)
- *Notre Dame Philosophical Reviews* (1538-1617)
- Nous* Nous
- Nouv. Républ. Lett.* Nouvelles de la République des Lettres

- Nova Acta Paracelsica* Nova Acta Paracelsica:
Jahrbuch der Schweizerischen
Paracelsus-Gesellschaft
- Novaia Noveish. Ist.* Novaia i noveishaia istoriia
- **NTM* NTM (0036-6978)
- **Nuncius* Nuncius (0394-7394)
- **Ohio Val. Hist.* Ohio Valley History
- **Oil-Indust. Hist.* Oil-Industry History
- Ontario Hist.* Ontario History (0030-2953)
- Oregon Hist. Quart.* Oregon Historical Quarterly
- **Organon* Organon (0078-6500)
- Orientalia* Orientalia (Pontificum Institutum
Biblicum)
- Osiris* Osiris (0369-7827)
- Österreich. Z. Geschichtswiss.* Österreichische
Zeitschrift für Geschichtswissenschaften
- **Osteuropa* Osteuropa (0030-6428)
- Otechest. Ist.* Otechestvennaia istoriia
- Oumei Yenjiu* Oumei Yenjiu (Euro-American
Studies)
- Oxford Stud. Ancient Phil.* Oxford Studies in Ancient
Philosophy
- **Pacific Hist. Rev.* Pacific Historical Review
- Pacific Northwest Quart.* Pacific Northwest
Quarterly (0030-8803)
- Pacific Sci.* Pacific Science
- Pacific. Phil. Quart.* Pacific Philosophical Quarterly
- Pagine Stor. Med.* Pagine di Storia della Medicina
- **Pales. Explor. Quart.* Palestine Exploration
Quarterly
- Pap. Brit. School Rome* Papers of the British School
at Rome
- Partisan Rev.* Partisan Review
- Past & Present* Past and Present (0031-2746)
- Pecia* Pecia: Ressources en Médiévisique
- Penn. Hist.* Pennsylvania History: A Journal of
Mid-Atlantic Studies (0031-4528)
- Penn. Mag. Hist. Biogr.* Pennsylvania Magazine of
History and Biography (0031-4578)
- Pensée (Paris)* Pensée: Recherches Marxistes,
Sciences, Société, Philosophic
- Peritia* Peritia: Journal of the Medieval Academy of
Ireland
- Perspect. Biol. Med.* Perspectives in Biology and
Medicine (0031-5982)
- **Perspect. Sci.* Perspectives on Science (1063-6145)
- Perspect. Sci. Christ. Faith* Perspectives on Science
and Christian Faith
- Pesquisa* Pesquisa
- Pharm. Hist.* Pharmacy in History (0031-7047)
- **Phil Soc. Sci.* Philosophy of the Social Sciences
(0048-3931)
- Phil. Forum* Philosophical Forum
- Phil. Geog.* Philosophy and Geography (1090-3771)
- Phil. Hist. Sci.* Philosophy and the History of
Science: A Taiwanese Journal
- Phil. J.* Philosophical Journal: Transactions of the
Royal Philosophical Society of Glasgow
- Phil. Jahrb.* Philosophisches Jahrbuch
- **Phil. Natur.* Philosophia Naturalis (0031-8027)
- Phil. Psychiat. Psychol.* Philosophy, Psychiatry, and
Psychology
- Phil. Psychol.* Philosophical Psychology
- Phil. Quart.* Philosophical Quarterly
- Phil. Rev.* Philosophical Review
- **Phil. Sci.* Philosophy of Science (0031-8248)
- Phil. Soc. Crit.* Philosophy and Social Criticism
- Phil. Trans. Royal Soc. London* Royal Society of
London. Philosophical Transactions.
Mathematical, Physical and Engineering Sciences
(1364-503X)
- Philol. Quart.* Philological Quarterly
- Philologus* Philologus: Zeitschrift für das Klassische
Altertum
- Philosophy* Philosophy: Journal of the British
Institute of Philosophy
- Phronesis* Phronesis: A Journal of Ancient
Philosophy
- Phys. Bl.* Physikalische Blätter
- **Phys. Persp.* Physics in Perspective (1422-6944)
- Phys. Teacher* Physics Teacher
- **Phys. Today* Physics Today (0031-9228)
- Phys. Unserer Zeit* Physik in Unserer Zeit
(0031-9252)
- Phys. World* Physics World (0953-8585)
- **Physis* Physis (0031-9414)
- Planet. Space Sci.* Planetary and Space Science
- Platinum Metals Rev.* Platinum Metals Review
- Poetica* Poetica: Zeitschrift für Sprach- und
Literaturwissenschaft
- **Poetics Today* Poetics Today: International Journal
for Theory and Analysis of Literature and
Communication
- Polhem* Polhem (0281-2142)
- Polit. Life Sci.* Politics and the Life Sciences
- Polity* Polity: The Journal of the Northeastern
Political Science Association
- Practitioner* Practitioner
- Prilozi* Prilozi za istraživanje hrvatske filozofske
baštine (0350-2791)
- Probl. Post Comm.* Problems of Post Communism
- Proc. Amer. Cath. Phil. Assoc.* Proceedings of the
American Catholic Philosophical Association
- Proc. Amer. Antiq. Soc.* Proceedings of the American
Antiquarian Society
- Proc. Amer. Phil. Soc.* Proceedings of the American
Philosophical Society (0003-049X)
- Proc. Brit. Acad.* Proceedings of the British
Academy
- Proc. Cumberland Geol. Soc.* Proceedings of the
Cumberland Geological Society
- Proc. Roy. Inst.* Proceedings of the Royal Institution
of Great Britain
- Proc. Roy. Microsc. Soc.* Proceedings of the Royal
Microscopical Society
- Proc. Roy. Soc. Med.* Proceedings of the Royal
Society of Medicine
- Prog. Quantum Elec.* Progress in Quantum
Electronics (0079-6727)
- Prometheus* Prometheus: Rivista Quadrimentale di
Studi Classici
- Prospects* Prospects: An Annual of American
Cultural Studies (0361-2333)
- Protist* Protist (1434-4610)
- PSA* PSA: Proceedings of the Biennial Meeting of
the Philosophy of Science Association
- Psychoanal. Contemp. Thought* Psychoanalysis and
Contemporary Thought

- Psychoanal. Hist.* Psychoanalysis and History (1460-8235)
- Psychoanal. Quart.* Psychoanalytic Quarterly
- Psychoanal. Rev.* Psychoanalytic Review
- Psychol. Gesch.* Psychologie und Geschichte
- Psychol. Med.* Psychological Medicine
- Psychol. Rec.* Psychological Record
- Public Hist.* Public Historian
- **Public Underst. Sci.* Public Understanding of Science (0963-6625)
- Quad. Stor.* Quaderni Storici
- Quad. Stor. Univ. Padova* Quaderni per la Storia dell'Università di Padova
- Quad. Stud. Arab.* Quaderni di Studi Arabi (1121-2306)
- Quart. J. Roy. Astron. Soc.* Quarterly Journal of the Royal Astronomical Society
- Quart. Rev. Biol.* Quarterly Review of Biology (0033-5770)
- Quekett J. Microsc.* Quekett Journal of Microscopy (0969-3823)
- Quim. Nova* Quimica Nova (0100-4042)
- Quipu* Quipu (0185-5093)
- **Radic. Hist. Rev.* Radical History Review (0163-6545)
- Radic. Sci.* Radical Science Journal
- Raec. Vinciana* Raecolta Vinciana
- Raison Présente* Raison Présente
- Raritan* Raritan
- Reading Room* Reading Room
- Rech. Diderot Encyclo.* Recherches sur Diderot et sur l'Encyclopédie
- Rech. Théol. Phil. Médiév.* Recherches de Théologie et Philosophie Médiévales (1370-7493)
- **Reinardus* Reinardus: Yearbook of the International Reynard Society (0925-4757)
- **Renaiss. Quart.* Renaissance Quarterly (0034-4338)
- Renaiss. Reform.* Renaissance and Reformation
- **Renaiss. Stud.* Renaissance Studies (0269-1213)
- Rend. Circ. Matemat. Palermo* Rendiconti del Circolo Matematico di Palermo (0009-725X)
- Rep. Nat. Cent. Sci. Ed.* Reports of the National Center for Science Education (NO)
- Rep. Trans. Devonshire Assoc.* Report and Transactions; Devonshire Association for the Advancement of Science, Literature, and Art
- Representations* Representations
- Res Res:* Anthropology and Aesthetics (0277-1322)
- Res. Phil. Tech.* Research in Philosophy and Technology (0161-7249)
- Res. Policy* Research Policy (0048-7333)
- Res. Socio. Knowl. Sci. Art* Research in Sociology of Knowledge, Sciences, and Art
- Rethink. Hist.* Rethinking History
- Rev. Étud. Juives* Revue des Études Juives (0484-8616)
- **Rev. Amer. Hist.* Reviews in American History (0048-7511)
- Rev. Anthro.* Reviews in Anthropology (0093-8157)
- Rev. Belge Philol. Hist.* Revue Belge de Philologie et d'Histoire
- Rev. Cien. Mat.* Revista Ciencias Matematicas
- Rev. Engl. Stud.* Review of English Studies
- Rev. Étud. Grec.* Revue des Études Grecques
- Rev. Étud. Latines* Revue des Études Latines
- **Rev. Eur. Est. Latin Amer. Carib.* Revista Europea de Estudios Latino Americanos y del Caribe
- Rev. Eur. Sci. Soc.* Revue Européenne des Sciences Sociales
- **Rev. Fernand Braudel Center* Review Fernand Braudel Center (0147-9032)
- Rev. Fr. Hist. Livre* Revue Française d'Histoire du Livre
- Rev. Fr. Sociol.* Revue Française de Sociologie
- Rev. Hist.* Revue Historique
- **Rev. Hist. Math.* Revue d'histoire des mathématiques (1262-022X)
- Rev. Hist. Méd. Hébraïque* Revue d'Histoire de la Médecine Hébraïque (0035-2330)
- Rev. Hist. Mod. Contemp.* Revue d'Histoire Moderne et Contemporaine
- **Rev. Hist. Pharm.* Revue d'Histoire de la Pharmacie
- Rev. Hist. Relig.* Revue d'Histoire des Religions
- **Rev. Hist. Sci.* Revue d'Histoire des Sciences (0151-4105)
- Rev. Hist. Sci. Hum.* Revue d'histoire des Sciences Humaines (1622-468X)
- Rev. Hist. Textes* Revue d'Histoire des Textes
- Rev. Indias* Revista de Indias
- Rev. Int. Phil.* Revue Internationale de Philosophie
- Rev. Metaphys.* Review of Metaphysics
- Rev. Métaphys. Morale* Revue de Métaphysique et de Morale
- Rev. Mod. Phys.* Reviews of Modern Physics
- Rev. Palais Découv.* Revue du Palais de la Découverte
- Rev. Phil. Fr. Étrang.* Revue Philosophique de la France et de l'Étranger
- Rev. Phil. Louvain* Revue Philosophique de Louvain
- Rev. Philol. Lit. Hist. Ancien.* Revue de Philologie, de Littérature et d'Histoire Anciennes
- **Rev. Quest. Sci.* Revue des Questions Scientifiques (0035-2160)
- Rev. Sci. et Tech. Déf.* Revue Scientifique et Technique de la Défense (0994-155X)
- Rev. Sci. Phil. Théol.* Revue des Sciences Philosophiques et Théologiques
- Rev. Soc. Brasil. Hist. Ciên.* Revista da Sociedade Brasileira de Historia de Ciência (0103-7188)
- Rev. Syn.* Revue de Synthèse (0035-1776)
- Rev. Univ. Coimbra* Revista da Universidade de Coimbra
- **Reviews in History* (1749-8155)
- Revue de la Maison Française d'Oxford* (1477-3082)
- Rheinisch-Westfäl. Z. Volkskunde* Rheinisch-Westfälische Zeitschrift für Volkskunde
- Rheinisches Mus. Philol.* Rheinisches Museum für Philologie
- Ric. Folklor.* Ricerca Folklorica
- **Rinascimento* Rinascimento: Rivista dell'Istituto Nazionale di Studi sul Rinascimento (0080-3073)
- **Rittenhouse* Rittenhouse
- Riv. Fil.* Rivista di Filosofia
- Riv. Stor. Fil.* Rivista di Storia della Filosofia
- Riv. Stor. Ital.* Rivista storica italiana (0035-7073)
- Riv. Stor. Sci.* Rivista di Storia della Scienza
- Romanticism* Romanticism
- Romantisme* Romantisme: Revue du 19e Siècle

- Ross. Istor. Zh.* Rossiiskii Istoricheskii Zhurnal
Royal Hist. Soc. Trans. Royal Historical Society.
 Transactions (0080-4401)
Rural Hist. Rural History
**Russ. Hist.* Russian History (0094-288X)
**Russ. Rev.* Russian Review (0036-0341)
Russ. Stud. Hist. Russian Studies in History
 (1061-1983)
Russell Russell: The Journal of the Bertrand Russell
 Archives
S. Atl. Quart. South Atlantic Quarterly
Saber Tiempo Saber y Tiempo (0328-6584)
Saeculum Saeculum: Jahrbuch für
 Universalgeschichte
Sao Paulo Perspec. São Paulo em Perspectiva
 (0102-8839)
Sapientia Sapientia: Organo de la Facultad de
 Filosofia (Univ. Catholica Argentina)
Sartoniana Sartoniana
Scandinavian J. Immun. Scandinavian Journal of
 Immunology
Schede Mediev. Schede Medievali
**Schede Umanistiche* (1122-6323)
Schweiz. Z. Gesch. Schweizerische Zeitschrift für
 Geschichte
**Sci. & Soc.* Science and Society (0036-8237)
Sci. Amer. Scientific American
**Sci. and Educ.* Science and Education (0926-7220)
**Sci. Canadensis* Scientia Canadensis (0829-2507)
**Sci. Commun.* Science Communication
 (1075-5470)
**Sci. Context* Science in Context (0269-8897)
Sci. Cult. Science as Culture (0950-5431)
Sci. Hist. Scientiarum Historia
**Sci. Poetica* Scientia Poetica: Jahrbuch für
 Geschichte der Literatur und der Wissenschaften
Sci. Pub. Pol. Science and Public Policy (0302-3427)
Sci. Stor. Scienze e Storia: Bollettino del Centro
 Internazionale di Storia dello Spazio e del Tempo
Sci. Stud. Science Studies (0786-3012)
Sci. Tech. & Soc. Science Technology and Society
 (0971-7218)
Sci. Tech. Hum. Val. Science, Technology and
 Human Values (0162-2439)
Sci. Tech. Persp. Sciences et Techniques en
 Perspective
**Sciamvs* Sciamvs (1345-4617)
**Science* Science (0036-8075)
Scientomet. Scientometrics (0138-9130)
Scot. Geogr. Mag. Scottish Geographical Magazine
Scriptorium Scriptorium: Revue International des
 Études Relative aux Manuscrits (0036-9772)
Selbstorganisation Selbstorganisation: Jahrbuch für
 Komplexität in den Natur-, Sozial- und
 Geisteswissenschaften
Seventeenth Cent. Seventeenth Century
Signs Signs: Journal of Women in Culture and
 Society
Signum Signum: revista da ABREM (1516-6295)
SIHSPAI SIHSPAI (1026-3977)
Singapore J. Trop. Geogr. Singapore Journal of
 Tropical Geography (0129-7619)
Sino-Jap. Stud. Sino-Japanese Studies (1041-8830)
- Sitzungsber. Bayer. Akad. Wiss. Math. Naturwiss. Kl.*
 Sitzungsberichte der Bayerische Akademie der
 Wissenschaften,
 Mathematisch-naturwissenschaftliche Klasse
Sitzungsber. Ges. Naturforsch. Freunde Berlin
 Sitzungsberichte der Gesellschaft
 Naturforschender Freunde zu Berlin
Sixteenth Cent. J. Sixteenth Century Journal
 (0361-0160)
Skep. Inq. Skeptical Inquirer (0194-6730)
Skeptic Skeptic (1063-9330)
Sky & Telescope Sky and Telescope (0037-6604)
Slagmark Slagmark (0108-8084)
Slav. East Europ. Rev. Slavonic and East European
 Review
Slav. Rev. Slavic Review (0037-6779)
Soc. Epistem. Social Epistemology (0269-1728)
**Soc. Hist.* Social History (0307-1022)
**Soc. Hist. Alcohol Drugs* The Social History of
 Alcohol and Drugs (1930-8418)
**Soc. Hist. Med.* Social History of Medicine
 (0951-631X)
Soc. Politics Social Politics
**Soc. Res.* Social Research (0037-783X)
Soc. Sci. & Med. Social Science and Medicine
 (0277-9536)
Soc. Sci. Hist. Social Science History
Soc. Sci. Inform. Social Science Information
Soc. Sci. Yearbk. Sociology of the Sciences
 (0167-2320)
Soc. Stor. Società e Storia
**Soc. Stud. Sci.* Social Studies of Science
 (0306-3127)
Sociol. Quart. Sociological Quarterly
Sociol. Theory Sociological Theory
Sociology Sociology (0038-0385)
**South African Journal of Science*
South Asia Res. South Asia Research
South Carolina Hist. Mag. South Carolina Historical
 Magazine
Southern Hist. Southern History: A Review of the
 History of Southern England
Southwest. Hist. Quart. Southwestern Historical
 Quarterly (0038-478X)
Soviet Phys. Soviet Physics: Uspeki
Spectro. acta Spectrochimica acta
Speculum Speculum: Journal of Mediaeval Studies
St. John's Rev. St. John's Review (0277-4720)
Sterne Weltraum Sterne und Weltraum (0039-1263)
Stor. Storiogr. Storia della Storiografia
STS Net. Jap. Yearbk. STS Network Japan Yearbook
STTH Science, Technology, and the Humanities
Stud. 18th-Cent. Cult. Studies in Eighteenth-Century
 Culture
Stud. Achtzehn. Jahrh. Studien zum Achtzehnten
 Jahrhundert
Stud. Copernicana Studia Copernicana (0081-6701)
**Stud. Dial. Natur.* Studies in Dialectics of Nature
**Stud. Hist. Med. Sci.* Studies in History of Medicine
 and Science (0970-5562)
Stud. Hist. Mod. Math. Studies in the History of
 Modern Mathematica: Supplemento di Rendiconti
 del Circolo Matematico di Palermo

- **Stud. Hist. Phil. Biol. Biomed. Sci.* Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences (1369-8486)
- **Stud. Hist. Phil. Mod. Phys.* Studies in History and Philosophy of Science Part B: Studies in History and Philosophy of Modern Physics (1355-2198)
- **Stud. Hist. Phil. Sci.* Studies in the History and Philosophy of Science A (0039-3681)
- Stud. Hist. Sci. Tech. Med.* Studies in the History of Science, Technology and Medicine (1024-8048)
- Stud. Leibnitiana* Studia Leibnitiana
- Stud. Lessico. Ital.* Studi di Lessicografia Italiana
- Stud. Lit. Imag.* Studies in the Literary Imagination
- Stud. Mater. Dziej. Nauk. Pol. Ser. E* Studia i Materiały z Dziejów Nauki Polskiej. Seria E: Zagadnienia Ogólne
- Stud. Mediev. Renais. Hist.* Studies in Medieval and Renaissance History (0081-8224)
- Stud. Medievali* Studi Medievali (0391-8467)
- Stud. Philol.* Studies in Philology
- Stud. Renais.* Studies in the Renaissance
- Stud. Romant.* Studies in Romanticism
- Stud. Sci. Educ.* Studies in Science Education
- Stud. Secent.* Studi Secenteschi
- Stud. Settecent.* Studi Settecenteschi
- Stud. Stor.* Studi Storici: Rivista Trimestrale dell'Istituto Gramsci (0039-3037)
- Stud. Voltaire 18th Cent.* Studies on Voltaire and the Eighteenth Century
- Stud. Wien. Gesch.* Studien zur Wiener Geschichte: Jahrbuch des Vereins für Geschichte der Stadt Wien
- **Sudhoffs Arch.* Sudhoffs Archiv (0039-4564)
- Suhayl* Suhayl (1576-9372)
- Svenska Linnésällsk. Årssk.* Svenska Linnésällskapet Årsskrift
- **Synthese* Synthese (0039-7857)
- Ta-lu ts'a-chih* Ta-lu ts'a-chih
- Taiwan shehui yanjiu jikan* Taiwan shehui yanjiu jikan (Taiwan: A Radical Quarterly in Social Studies)
- **Taiwan Wenxue Yanjiu Jikan*
- Taiwan. J. Stud. Sci. Tech. Med.* Taiwanese Journal for Studies of Science, Technology, and Medicine (1022-4874)
- Taiwanese J. Phil. Hist. Sci.* Taiwanese Journal for the Philosophy and History of Science
- Taiwaneshi yanjiu* Taiwaneshi yanjiu (Taiwan Historical Research)
- Tasanhak* Tasanhak (Journal of Tasan Studies) (1598-8856(45))
- Taxon* Taxon (0040-0262)
- **Tech. Cult.* Technology and Culture (0040-165X)
- Tech. Soc.* Technology in Society (0160-791X)
- Technikgeschichte* Technikgeschichte (0040-117X)
- Tel Aviv Jahrb. Deut. Gesch.* Tel Aviv Jahrbuch für Deutsche Geschichte
- **Tenn. Med.* Tennessee Medicine (1088-6222)
- **Tennessee Hist. Quart.* Tennessee Historical Quarterly
- Terrae Incog.* Terrae Incognitae Philosophy and the Intellectual Life of the Middle Ages
- Theol. Stud.* Theological Studies (0040-5639)
- Theoria (0040-5825)* Theoria (0040-5825) (0040-5825)
- Theoria (0495-4548)* Theoria (0495-4548) (0495-4548)
- Theoria Hist. Sci.* Theoria et Historia Scientiarum (0867-4159)
- Theory Biosci.* Theory in Biosciences (1431-7613)
- Theory Cult. Soc.* Theory, Culture, and Society: Explorations in Critical Social Science
- **Thomist Thomist: A Speculative Quarterly Review* (0040-6325)
- Tijdschr. Gesch.* Tijdschrift voor Geschiedenis
- Tijdschr. Stud. Verlichting* Tijdschrift voor de Studie van de Verlichting
- TLS* TLS: Times Literary Supplement (0307-661X)
- Topoi* Topoi: An International Review of Philosophy
- Traditio* Traditio: Studies in Ancient and Medieval History, Thought, and Religion
- Trans. Amer. Philol. Assoc.* Transactions of the American Philological Association
- Trans. C. S. Peirce Soc.* Transactions of the Charles S. Peirce Society
- Trans. Conn. Acad. Arts Sci.* Transactions of the Connecticut Academy of Arts and Sciences
- Trans. Inst. Brit. Geogr.* Transactions of the Institute of British Geographers
- Trans. Int. Congr. Enlightenment* Transactions of the International Congress on the Enlightenment
- **Trans. Newcomen Soc.* Transactions of the Newcomen Society (0372-0187)
- **Trans. Roy. Hist. Soc.* Transactions of the Royal Historical Society
- Trans. Royal Soc. Edinburgh Earth Sci.* Transactions of the Royal Society of Edinburgh (Earth Science) (0263-5933)
- Trans. Wisconsin Acad. Sci. Arts Lett.* Transactions of the Wisconsin Academy of Science, Arts, and Letters
- Trends Neurosci.* Trends in Neurosciences
- TS y S* Trabajo Social y Salud (1130-2976)
- Tsing-hua hsueh-pao* Tsing-hua hsueh-pao (Journal of Tsing-hua University)
- Twent. Cent. Brit. Hist.* Twentieth Century British History (0955-2359)
- Ugeskrift Læger* Ugeskrift for Læger
- Ugglan* Ugglan (1102-4313)
- Universitas* Universitas: Newsletter of the International Centre for the History of Universities and Science
- Utilitas* Utilitas: A Journal of Utilitarian Studies (0953-8208)
- Vermont Hist.* Vermont History: Proceedings of the Vermont Historical Society
- Vesalius* Vesalius (XXVesalius)
- VEST* VEST: Tidskrift för Vetenskapsstudier (0283-6025)
- Vestnik Arkhiv.* Vestnik Arkhivista
- Viator* Viator: Medieval and Renaissance Studies
- Vict. Lit. Cult.* Victorian Literature and Culture (1060-1503)
- Victorian Newsletter* Victorian Newsletter
- **Victorian Stud.* Victorian Studies (0042-5222)
- Vie Sci.* La Vie des Sciences: Comptes Rendus de l'Académie des Sciences
- Vierteljahrsh. Zeitgesch.* Vierteljahrshäfte für Zeitgeschichte

- VIET* Voprosy istorii estestvoznaniia i tekhniki (0205-9606)
- **Vigiliae Christianae* Vigiliae Christianae (0042-6032)
- Virginia Mag. Hist. Biogr.* Virginia Magazine of History and Biography (0042-6636)
- Vivarium* Vivarium: Journal for Mediaeval Philosophy and the Intellectual Life of the Middle Ages (0042-7543)
- Vop. Fil.* Voprosy filosofii (0042-8744)
- Vop. Ist.* Voprosy istorii (0042-8779)
- Voz Coleg. Miguel Cervantes* La voz del Colegio Miguel de Cervantes
- War Soc.* War and Society
- Welfengarten* Welfengarten: Jahrbuch für Essayismus
- Wellcome Hist.* Wellcome History
- West. Hist. Quart.* Western Historical Quarterly (0043-3810)
- Wiener Klin. Wochenschr.* Wiener Klinische Wochenschrift
- Wiener Stud.* Wiener Studien
- **William Mary Quart.* William and Mary Quarterly (0043-5597)
- Wisc. Acad. Rev.* Wisconsin Academy Review
- Wolfenbütteler Renaiss. Mitt.* Wolfenbütteler Renaissance Mitteilungen
- Wolfenbütteler Stud. Aufklärung* Wolfenbütteler Studien zur Aufklärung
- Women* Women: A Cultural Review
- Women's Hist. Rev.* Women's History Review
- Worldviews* Worldviews (1363-5247)
- Wurzbürger Medizin. Mitt.* Wurzbürger Medizinhistorische Mitteilungen (0177-5227)
- *Xinshixue (New History)
- **XVIIe Siècle* XVIIe Siècle
- Yale J. Biol. Med.* Yale Journal of Biology and Medicine (0044-0086)
- Yearbk. Res. Cent. Germ. Austrian Exile Stud.* Yearbook of the Research Centre for German and Austrian Exile Studies (1388-3720)
- **Yeoksa Bipyeong* Yeoksa Bipyeong (Critical Review of History)
- **Yoksa Hakbo* Yoksa Hakbo (The Korean Historical Review)
- Z. Kirchenges.* Zeitschrift für Kirchengeschichte (0044-2925)
- Z. Allg. Wissenschaftstheor.* Zeitschrift für Allgemeine Wissenschaftstheorie
- Z. Bayer. Landesges.* Zeitschrift für Bayerische Landesgeschichte
- Z. Deut. Morgenlnd. Ges.* Zeitschrift der Deutschen Morgenländischen Gesellschaft
- Z. Gesam. Versicherungswiss.* Zeitschrift fuer die gesamte Versicherungswissenschaft
- Z. Gesch. Arab.-Islam. Wiss.* Zeitschrift für Geschichte der Arabisch-Islamischen Wissenschaften (0179-4639)
- Z. Geschichtswiss.* Zeitschrift für Geschichtswissenschaft (0044-2828)
- Z. Phil. Forsch.* Zeitschrift für Philosophische Forschung
- Z. Relig. Geistesgesch.* Zeitschrift für Religions- und Geistesgeschichte
- Z. Unternehmensgesch.* Zeitschrift für Unternehmensgeschichte
- Zetetic* Zetetic Scholar (0741-6229)
- Zhongguo Keji Shiliao* Zhongguo Keji Shiliao (China Historical Materials of Science and Technology) (1000-0798)
- Ziran Kexueshi Yanjiu* Ziran Kexueshi Yanjiu (Studies in the History of Natural Sciences) (1000-0224)
- **Zygon* Zygon (0591-2385)

A. Tools for Historians of Science

1. GENERAL HISTORIES OF SCIENCE

(includes interdisciplinary topics and biographies of scientists)

1. ASH, Mitchell G. "Wissens- und Wissenschaftstransfer: Einführende Bemerkungen." Introduction to a special issue. *Ber. Wissenschaftsgesch.* 29 (2006): 181–189.

Contents: Andreas RENNER, "Wissenstransfer auf dem Prüfstand: Europäische Mediziner im Kampf gegen die Pest von Moskau 1771," 191–204 [ref. 1923]; Marianne KLEMUN, "Globaler Pflanzentransfer und seine Transferinstanzen als Kultur-, Wissens- und Wissenschaftstransfer der frühen Neuzeit," 205–223 [ref. 1587]; Carsten REINHARDT, "Wissenstransfer durch Zentrenbildung: Physikalische Methoden in der Chemie und den Biowissenschaften," 224–242 [ref. 3560]; Marita KRAUSS, "'Gedankenaustausch über Probleme und Methoden der Forschung': Transatlantische Gastprofessoren aus Emigrantenkreisen in Westdeutschland nach 1945," 243–259 [ref. 2867].

2. BEHRENS, Heinrich, and Irmgard LANKENAU. "Wissenschaftswachstum in wichtigen naturwissenschaftlichen Disziplinen vom 17. bis zum 21. Jahrhundert." *Ber. Wissenschaftsgesch.* 29 (2006): 89–108.

3. CADDEN, Joan. "Introduction: Rereading Carolyn Merchant." Focus: "Getting Back to *The Death of Nature*." *Isis* 97 (2006): 485–486.

Contents: Katharine PARK, "Women, Gender, and Utopia: *The Death of Nature* and the Historiography of Early Modern Science," 487–495; Gregg MITMAN, "Where Ecology, Nature, and Politics Meet: Reclaiming *The Death of Nature*," 496–504; Charis THOMPSON, "Back to Nature? Resurrecting Ecofeminism after Poststructuralist and Third-Wave Feminisms," 505–512; Carolyn MERCHANT, "The Scientific Revolution and *The Death of Nature*," 513–533.

4. CAMEROTA, Michele. "Historia magistra scientiae. Preliminary Remarks on the Pedagogical Function of Scientific Biographies in the Modern Age." *Nuncius* 21 (2006): 121–132.

5. CLIFT, Keith A. "Exploring the Transition from a Pre-modern to Modern Conceptualization of the Natural World: Implications for a More Connected Approach to Contemporary Education." *Diss. Abstr. Int.* 6/10 (2007).

Dissertation at The University of Oklahoma, 2006. Adviser: Houser, Neil. UMI pub. no. 3237528. 144 pp.

6. DEAR, Peter. *The Intelligibility of Nature: How Science Makes Sense of the World.* (xii + 242 pp.; ill.; bibl.; index.) Chicago: University of Chicago Press, 2006. ISBN: 0226139484.

Reviews: [ref. R333]

7. ECKART, Wolfgang U. "Blender, Täuscher, Scharlatane: Betrug in den Wissenschaften, Einführung in das Symposium." Introduction to a special issue. *Ber. Wissenschaftsgesch.* 27 (2004): 89–97.

Contents (in issues 2 and 3): Heinz SCHOTT, "Imagination—Einbildungskraft—Suggestion: Zur Scharlatanerie in der neuzeitlichen Medizin," 99–108 [ref. 2603]; Thomas BRANDSTETTER, "Elefanten im Mond, Der prekäre Status des wissenschaftlichen Instruments," 109–118 [ref. 1193]; Marian FÜSSEL, "'Charlatanerie Eruditorum,' Zur sozialen Semantik des gelehrten Betrugs im 17. und 18. Jahrhundert," 119–135 [ref. 1366]; Oliver HOCHADEL, "Aufklärung durch Täuschung, Die Natürliche Magie im 18. Jahrhundert," 137–147 [ref. 1711]; Horst GUNDLACH, "Sigmund Freud und die Lauterkeit," 175–185 [ref. 2469]; Ute DEICHMANN and Ulrich CHARPA, "Vertrauensvorschuß und wissenschaftliches Fehlhandeln: Eine reliabilistische Modellierung der Fälle Abderhalden, Goldschmidt, Moewus und Waldschmidt-Leitz," 187–204 [ref. 138]; Frank STAHNISCH, "'Und nur die Zukunft wird Klarheit bringen!' Der Fall des Biomediziners Jacques Benveniste aus dem Jahr 1988 im Blickfeld der wissenschaftlichen Publikationsorgane und der Laienpresse," 205–224 [ref. 3764]; Irmeline VEIT-BRAUSE, "'The Beagle Boys' Commercial Contracts, Institutional Controls and Individual Courage," 225–235 [ref. 3768]; Christoph SCHNEIDER, "Der Scharlatan auf dem Rechtsweg: Und was vielleicht zu seiner Umlenkung getan werden könnte," 237–251 [ref. 3527].

8. GAUKROGER, Stephen. *The Emergence of a Scientific Culture: Science and the Shaping of Modernity 1210–1685.* (ix + 563 pp.; ill.; bibl.; index.) New York: Oxford University Press, 2007. ISBN: 9780199296446.

Explores the bitterly contested standing of both the cognitive and cultural aspects of science. (from the publisher)

9. GEDEON, Andras. (Ed.) *Science and Technology in Medicine: An Illustrated Account Based on Ninety-Nine Landmark Publications from Five Centuries.* With a forwards by Leslie A. GEDDES and Paul U. UNSCHULD, introduction by Jeremy M. NORMAN and bibliography by Ove HAGELIN. Ninety-Nine Landmark Publications. (vii + 551 pp.; ill.; bibl.; index.) New York: Springer, 2006. ISBN: 0387278745.

A collection of primary source essays with commentary on their significance and influence.

10. GONZÁLEZ RECIO, José Luis. (Ed.) *La ciencia en su historia: cuestiones cardinales.* (277 pp.) Madrid: Spain, n.d. ISBN: 8485592565.

Each chapter in this broad survey of the history of science contains very short commentaries by 22 contributors in response to a specific question. There is a final chapter in English, "Darwin's Impact in Western Intellectual History" by Francisco

J. AYALA (pp. 269-280).

11. GRANT, Edward. *A History of Natural Philosophy: From the Ancient World to the Nineteenth Century*. (xiv + 361 pp.; bibl.; index.) Cambridge; New York: Cambridge University Press, 2007. ISBN: 0521869315.

12. HAMOU, Philippe. "Figures de l'antnewtonianisme / Faces of Anti-newtonianism (1672–1832)." Introduction to a symposium. *Arch. Int. Hist. Sci.* 53 (2003): 115–129.

Contents: Véronique Le RU, "L'attraction et l'argument de l'inconcevable," 131–138; J. B. SHANK, "On the Alleged Cartesianism of Fontenelle," 139–156 [ref. 1466]; Hugues CHABOT, "Georges-Louis Lesage (1724–1803) : Un théoricien de la gravitation en quête de légitimité," 157–183 [ref. 1750]; Luc PETERSCHMITT, "Berkeley et les hypothèses mathématiques," 184–197 [ref. 1738]; Emmanuel BAROT, "Le rasoir hégélien : Déconstruire les forces suspectes de la mécanique newtonienne," 198–211; Bernard JOLY, "L'anti-newtonianisme dans la chimie française au début de XVIII^e siècle," 213–224 [ref. 1770]; Alan E. SHAPIRO, "The Revolt of the Chemists against Newton's Theory of Colored Bodies," 225–239 [ref. 1784]; Rémi FRANKOWIAK, "Rouelle, un vrai-faux anti-newtonien," 240–255; Neil M. RIBE, "Optics, Polemics, and Ethics in Goethe's Critique of Newton," 257–263 [ref. 2203]; Paul F. H. LAUXTERMANN, "Schopenhauer against (but also Unwittingly for) Newton, or How Not to Assist Goethe," 264–271 [ref. 2188].

13. HESSENBRUCH, Arne. "On the History of Science in Society: From Ivory Tower to Utility." *Sci. Canadensis* 28 (2005): 51–56.

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11. SOCIOLOGY OF SCIENCE; PSYCHOLOGY OF SCIENCE

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168. BLOOR, David. "Ideals and Monisms: Recent Criticisms of the Strong Programme in the Sociology of Knowledge." *Stud. Hist. Phil. Sci.* 38 (2007): 210–234.

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170. BREIDBACH, Olaf. "Rezeptionsschichtungen." *Jahrb. Eur. Wissenschaftskult.* 1 (2005): 233–258.

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171. FARRELL, Robert P. "Rational versus Anti-Rational Interpretations of Science: An Ape-Language Case-Study." *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 83–100.

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172. FULLER, Steve. "Science and Technology Studies and the Philosophy of Social Sciences." In *The Blackwell Guide to the Philosophy of the Social Sciences*, edited by TURNER and ROTH (2002) [ref. 512], 207–234.

173. HULL, David L. "The Success of Science and Social Norms." Special issue: "Darwinian Evolution across the Disciplines" [ref. 467]. *Hist. Phil. Life Sci.* 23 (2001): 341–360.

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175. LI Xiao-bo and ZHU Li-jun. "Sociology of science and scientific rhetoric." [Translated title.] In Chinese. *J. Dial. Natur.* 28, no. 1 (2006): 47–52.

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177. LOUGHLIN, Kelly. "The Theatre of Scientific Authority." *Stud. Hist. Phil. Biol. Biomed. Sci.* 34 (2003): 375–380.

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178. RHEINBERGER, Hans-Jörg. "Kulturen des Experiments." *Ber. Wissenschaftsgesch.* 30 (2007): 135–144.

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Looks at the relationship between warfare, research, and instruments in the last 500 years. Contents: Steven A. WALTON, "Introduction," 1-16; Steven A. WALTON, "Mathematical Instruments and the Creation of the Scientific Military Gentleman," 17-46 [ref. 1191]; William T. LYNCH, "Surveying and the Cromwellian Reconquest of Ireland," 47-84 [ref. 1559]; Jamel OSTWALD, "Like Clockwork? Clausewitzian Friction and the Scientific Siege in the Age of Vauban," 85-118 [ref. 1418]; Seymour H. MAUSKOPF, "Calorimeters and Crushers: The Development of Instruments for Measuring the Behavior of Military Powder," 119-152 [ref. 2242]; James R. FLEMING, "Telegraphing the Weather: Military Meteorology, Strategy, and 'Homeland Security' on the American Frontier in the 1870s," 153-178 [ref. 2284]; Gerard P. SCHARFENBERGER, "Remnants of Testing at the Sandy Hook Proving Grounds, Sandy Hook, New Jersey," 179-214; William M. MCBRIDE, "From Measuring Progress to Technological Innovation: The Prewar Annapolis Engineering Experiment Station," 215-252; David Alan GRIER, "Dr. Veblen at Aberdeen: Mathematics, Military Applications and Mass Production," 253-270; Sebastien SOUBIRAN, "National Naval Laboratories and the Development of Fire Control Gyrocompasses in Interwar Britain and France," 271-300; Kenton KROKER, "Washouts: Electroencephalography, Epilepsy and Emotions in the Selection of American Aviators during the Second World War," 301-338 [ref. 3365]; Deborah J. WARNER, "A Matter of Gravity: Military Support for Gravimetry during the Cold War," 339-362 [ref. 3598]; Peter GALISON, "Physics between War and Peace," 363-404 [ref. 3576].

Reviews: [ref. R1415]

D. Aspects of Scientific Practice and Organization

40. SCIENTIFIC INSTITUTIONS

(includes awards and prizes)

239. COBB, Amanda J. "Guest Editor's Remarks." Special issue: "The National Museum of the American Indian." *Amer. Ind. Quart.* 29 (2005): 359–360. Contributors: Judith OSTROWITZ; Elizabeth ARCHULETA; Akim D. REINHARDT; Beverly R. SINGER; Anya MONTIEL; Joshua Don HINSON; J. Kēhaulani KAUANUI; Tina KUCKKAHN; James LUJAN; Burke A. HENDRIX; Benedict J. COLOMBI; Barbara PERRY; Linda ROBYN; James BELL; Nicole LIM; David STIRRUP; Kimberly ANDREWS; Jay F. CUSTER; Patricia J. VICKERS.

240. DAY, Peter. *Nature Not Mocked: Places, People and Science.* (x + 262 pp.; ill.; bibl.; index.) London: Imperial College Press, 2005. ISBN: 1860945767.

Essays dealing with the Royal Institution as well as scientists and other aspects of contemporary science.

241. MICHELSON, Evan S. "The Transformation of African Academies of Science: The Evolution of New Institutions." *Bull. Sci. Tech. Soc.* 26 (2006): 419–429.

"The purpose of this article is to analyze the particular institutional traits and characteristics related to African science academies—including their small memberships, lack of finances, little experience with policy advising, and worries about government backlash..." (from the abstract)

242. PARKS, James M. "Unintended Consequences of Oil Company Research Laboratories." *Oil-Indust. Hist.* 4 (2003): 32–41.

41. SCIENTIFIC INSTRUMENTS

(includes science of measurement)

243. ANDERSON, R. G. W. "Instruments and Apparatus." In *Chemical History*, edited by RUSSELL and ROBERTS (2005) [ref. 347], 215–229.

244. BIGG, Charlotte, and Klaus STAUBERMANN. "Introduction to Special Section." Special section: "Published Papers of the International Union of the History and Philosophy of Science workshop on 'Spectroscopy Histories', in association with the Scientific Instrument Commission." *Nuncius* 18 (2003): 737–739.

Contents: Jochen HENNIG, "Bunsen, Kirchhoff, Steinheil and the Elaboration of Analytical Spectroscopy," 741–754 [ref. 2059]; Klaus STAUBERMANN, "Investigating Vision and the Reversion Spectroscope: Early Astronomical Colour Studies in Experimental Psychology," 755–764 [ref. 2486]; Charlotte BIGG, "Spectroscopic Metrologies," 765–777 [ref. 2056]; Richard STALEY, "The Interferometer and the Spectroscope: Michelson's Standards and the Spectroscopic Community," 779–801 [ref. 2065]; Sean F. JOHNSTON, "An

Unconvincing Transformation? Michelson's Interferential Spectroscopy," 803–823 [ref. 2061]; Anna M. LOMBARDI, "The Bolometer and the Spectro-Bolometer as Steps Towards the Black-Body Spectrum," 825–840 [ref. 2192]; Eva A. MAYRING, "Sources for the History of Spectroscopy at the Deutsches Museum," 841–852 [ref. 247].

245. CHANG, Hasok. *Inventing Temperature: Measurement and Scientific Progress.* Oxford Studies in Philosophy of Science. (xviii + 286 pp.; ill.; bibl.; index.) Oxford; New York: Oxford University Press, 2004. ISBN: 0195171276.

Reviews: [ref. 248, R231]

246. HENSHAW, John M. *Does Measurement Measure Up? How Numbers Reveal and Conceal the Truth.* (xiv + 228 pp.; bibl.; index.) Baltimore: Johns Hopkins University Press, 2006. ISBN: 9780801883750.

247. MAYRING, Eva A. "Sources for the History of Spectroscopy at the Deutsches Museum." Part of a special section on "Spectroscopy Histories" [ref. 244]. *Nuncius* 18 (2003): 841–852.

248. QUINN, Terry. "Temperature: A Showcase for Complementary Science?" *Notes Rec. Roy. Soc. Lond.* 60 (2006): 203–214.

Essay review of Hasok CHANG, *Inventing Temperature* (2004) [ref. 245].

42. SCIENCE EDUCATION

(includes history of educational institutions)

249. BRENNER, Anastasios. "Présentation." Introduction to special section: "L'enseignement de l'histoire des sciences en France sous la Troisième République." *Rev. Hist. Sci.* 58 (2005): 305–310.

Contents: Bernadette BENSUADE-VINCENT, "Paul Langevin : L'histoire des sciences comme remède à tout dogmatisme," 311–327 [ref. 2876]; Annie PETIT, "L'enseignement positiviste : Auxiliaire ou obstacle pour l'histoire des sciences?" 329–365 [ref. 79]; Jean-François BRAUNSTEIN, "Darembert et les débuts de l'histoire de la médecine en France," 367–387 [ref. 67]; Nicole HULIN, "Histoire des sciences et enseignement scientifique au lycée sous la Troisième République," 389–405 [ref. 2077]; Robert LOC-QUENEUX, "L'intérêt de l'histoire de la physique pour la formation des physiciens selon Henri Bouasse," 407–431 [ref. 2079]; Anastasios BRENNER, "Réconcilier les sciences et les lettres : Le rôle de l'histoire des sciences selon Paul Tannery, Gaston Milhaud et Abel Rey," 433–454 [ref. 68].

250. BREZINKA, Wolfgang. *Pädagogik in Österreich: Die Geschichte des Faches an den Universitäten vom 18. bis zum Ende des 20. Jahrhunderts. Vol 2: Pädagogik an den Universitäten Prag, Graz und Innsbruck.* (xiv + 1023 pp.; ill.) Wien: Verlag

der Österreichischen Akademie der Wissenschaften, 2003. ISBN: 3700132182.

Reviews: [ref. R153]

251. BRUSH, Stephen G. "Anachronism and the History of Science: Copernicus as an Airplane Passenger." *Sci. Poetica* 8 (2004): 255–264.

Discusses the role and use of anachronisms in science education.

252. FRIEDMAN, Ami J. "Biological Classification Historical Case Studies: Fostering High School Students' Conceptions of the Nature of Science." *Diss. Abstr. Int. A* 67/05 (2006): 1684.

Dissertation at Wayne State University, 2006. Adviser: Ebenezer, Jazlin. UMI pub. no. 3211013. 358 pp. "This study aimed to examine female, high school students' conceptualizations of the nature of science while learning biological classification using historical case studies." (from the abstract)

43. PROFESSIONAL ACTIVITIES OF SCIENTISTS

(includes peer review and scientific publication)

253. ECKART, Wolfgang U. "Blender, Täuscher, Scharlatane–Betrug in den Wissenschaften: Einführung in das Symposium." *Ber. Wissenschaftsgesch.* 27 (2004): 89–97.

Discusses fraud in the sciences in different fields and various periods.

254. ENGLANDER, Karen. "Non-Native English-Speaking Scientists' Successful Revision for English-Language Publication: A Discourse Analytic and Social Constructivist Study." *Diss. Abstr. Int. A* 67/02 (2006): 538.

Dissertation at Indiana University of Pennsylvania, 2006. Adviser: Tannacito, Dan J. UMI pub. no. 3206644. 316 pp.

255. LYNN, Freda B. "Quality Uncertainty and Professional Status: A Study of Mathematicians and Economists." *Diss. Abstr. Int. A* 67/02 (2006): 728.

Dissertation at Harvard University, 2006. Adviser: Marsden, Peter V. UMI pub. no. 3205931. 146 pp. Comparison of efforts to distinguish quality of work in mathematics and economics according to the level of uncertainty of the evaluation; data based on a 40-year sample of journal article citation patterns and study of professional relationships.

256. SCHEIDING, Thomas David. "Paying to Publish: Using the Author Charge to Fund the Scholarly Journal." *Diss. Abstr. Int. A* 67/04 (2006).

Dissertation at the University of Notre Dame, 2006. Adviser: Mirowski, Philip E. UMI pub. no. 3214137. 310 pp.

257. STREVEVS, Michael. "The Role of the Matthew Effect in Science." *Stud. Hist. Phil. Sci.* 37 (2006): 159–170.

On the observation, labeled by Robert Merton, that better-known scientists tend to get more credit than less well-known scientists for the same achievements.

258. WRAY, K. Brad. "Scientific Authorship in the Age of Collaborative Research." *Stud. Hist. Phil. Sci.* 37 (2006): 505–514.

E. Disciplinary Classification

101. OCCULT SCIENCES; MAGIC

(includes scientific anomalies; see also 111-Astrology and 114-Alchemy)

259. TOSH, Nick. "Possession, Exorcism and Psychoanalysis." *Stud. Hist. Phil. Biol. Biomed. Sci.* 33 (2002): 583–596.

"Investigates the historiographical utility of psychoanalysis, focusing in particular on retrospective explanations of demonic possession and exorcism." (from the abstract)

102. HISTORY OF PHILOSOPHY; HISTORY OF IDEAS

(includes history of philosophy of science)

260. BRIGGS, John C. "'The Very Idea!': Francis Bacon and E. O. Wilson on the Rehabilitation of *Eidos*." In *Francis Bacon and the Refiguring of Early Modern Thought*, edited by SOLOMON and MARTIN (2005) [ref. 1385], 89–108.

261. FULLER, Steve. "The Philosophical Buck Stops Here." *Phil Soc. Sci.* 36 (2006): 355–366.

Essay review of George A. REISCH, *How the Cold War Transformed Philosophy of Science* (2005).

262. HADOT, Pierre. *The Veil of Isis: An Essay on the History of the Idea of Nature*. Translated from the French by Michael CHASE. (xii + 399 pp.; ill.; index; bibl.) Cambridge, Mass.: Belknap Press of Harvard University Press, 2006. ISBN: 0674023161.

On ancient and modern interpretations of Heraclitus' aphorism, *phusis kruptesthai philei* ("nature loves to hide").

263. MOOI, J. J. A. *Time and Mind: The History of a Philosophical Problem*. Translated from the Dutch by Peter MASON. Brill's Studies in Intellectual History, 129. (xi + 287 pp.; bibl.; index.) Leiden; Boston: Brill, 2005. ISBN: 9004141529.

History of time from ancient Greece to present.

Reviews: [ref. R970]

264. NÄPINEN, Leo. "The Need for the Historical Understanding of Nature in Physics and Chemistry." *Found. Chem.* 9 (2007): 65–84.

On the need to understand nature in terms of historical processes.

265. OLAUSSON, Lennart. Essay review. *Lychnos* (2003): 285–289.

Essay review of Rebecka LETTEVALL, *En europeisk kosmopolit* (2001).

266. PERRY, John. *Knowledge, Possibility, and Consciousness*. (xvi + 221 pp.; bibl.; index.) Cambridge, MA: MIT Press, 2001. ISBN: 0262161990.

267. PULTE, Helmut. *Axiomatik und Empirie: Eine wissenschaftstheoriegeschichtliche Untersuchung zur Mathematischen Naturphilosophie von Newton bis Neumann*. Edition Universität. (502 pp.; ill.) Darmstadt: Wissenschaftliche Buchgesellschaft, 2005. ISBN: 3534158946.

Reviews: [ref. R1106]

268. RAYMOND, Jean François de. *Descartes et le nouveau monde : Le cheminement du cartésianisme au Canada, XVIIe–XXe siècle*. (xii + 333 pp.; bibl.; index.) Paris: Librairie philosophique J. Vrin, 2003. ISBN: 2711643182.

Focus is on New-France and Quebec.

Reviews: [ref. R1119]

269. RIVERA-GARCIA, Nelson. "The Earth Is Our Home: Mary Midgley's Critique and Reconstruction of Evolution and Its Meanings." *Diss. Abstr. Int. A* 67/09 (2007).

Dissertation at Temple University, 2006. Adviser: Blankinship, Khalid Y. Pub. no. AAT 3233468. 239 pp.

103. MATHEMATICS

270. ACERBI, Fabio. "Archimedes and the Angel: Phantom Paths from Problems to Equations." *Aestimatio* 2 (2005): 169–226.

Available at http://www.ircps.org/publications/aestimatio/pdf/2005-12-04_Acerbi.pdf. Extended critical essay review. Essay review of Reviel NETZ, *Transformation of Mathematics in the Early Mediterranean World* (2004).

271. ALEXANDER, Amir R. "Introduction." Focus: "Mathematical Stories." *Isis* 97 (2006): 678–682.

Contents: Mary TERRALL, "Mathematics in Narratives of Geodetic Expeditions," 683–699 [ref. 1804]; Joan L. RICHARDS, "Historical Mathematics in the French Eighteenth Century," 700–713 [ref. 1740]; Amir R. ALEXANDER, "Tragic Mathematics: Romantic Narratives and the Refounding of Mathematics in the Early Nineteenth Century," 714–726 [ref. 2102].

272. ASH, Avner, and Robert GROSS. *Fearless Symmetry: Exposing the Hidden Patterns of Numbers*. (xxv + 272 pp.; ill.; bibl.; index.) Princeton: Princeton University Press, 2006. ISBN: 0691124922.

Includes historical discussion of the development of symmetry theory.

273. BOUVERESSE, Jacques. "Mathématiques et logique chez Leibniz." Part of a special section: "Mathématiques et physique leibniziennes, 1^{re} partie" [ref. 1468]. *Rev. Hist. Sci.* 54 (2001): 223–246.

Looks at the way Gödel and modern logicians read Leibniz.

- 274.** BRIESKORN, Egbert. "Gibt es einer Wiedergeburt der Qualität in der Mathematik?" In *Wissenschaft zwischen Qualitas und Quantitas*, edited by NEUENSCHWANDER (2003) [ref. 155], 234–410.
- 275.** BUSSOTTI, Paolo. *From Fermat to Gauss: Indefinite Descent and Methods of Reduction in Number Theory*. Algorismus, 55. (vii + 574 pp.; bibl.; index.) Augsburg: Dr. Erwin Rauner Verlag, 2006. ISBN: 3936905185.
- 276.** CAVEING, Maurice. *Le problème des objets dans la pensée mathématique*. Problèmes et controverses. (286 pp.) Paris: Vrin, 2004. ISBN: 2711616282.
- 277.** CIFOLETTI, Giovanna. "Mathematics and Rhetoric: Introduction." Introduction to a special issue: "Mathematics and Rhetoric." *Early Sci. Med.* 11 (2006): 369–389.
Giovanna CIFOLETTI, "From Valla to Viète: The Rhetorical Reform of Logic and Its Use in Early Modern Algebra," 390–423 [ref. 1219]; Christia MERCER, "Leibniz on Mathematics, Methodology, and the Good: A Reconsideration of the Place of Mathematics in Leibniz's Philosophy," 424–454 [ref. 1481]; Éric BRIAN, "Combinaisons et disposition. Langue universelle et géométrie de situation chez Condorcet (1793–1794)," 455–477 [ref. 1728].
- 278.** CUOMO, Serafina. "A Beautiful Game." *Stud. Hist. Phil. Sci.* 37 (2006): 337–343.
Essay review of Reviel NETZ, *Transformation of Mathematics in the Early Mediterranean World* (2004); ARCHIMEDES, *The Works of Archimedes* (2004).
- 279.** DEAR, Peter. "Mathematics and Morality on the Cusp of Modernity." *Rev. Hist. Math.* 7 (2001): 277–293.
Discusses the pedagogical purposes of mathematics and its relationship to the state, especially in terms of its practical utility, its promotion of good habits of thought, and its function in evaluation and assessment.
- 280.** DERBYSHIRE, John. *Unknown Quantity: A Real and Imaginary History of Algebra*. (viii + 374 pp.; ill.; bibl.; index.) Washington, D.C.: Joseph Henry Press, 2006. ISBN: 030909657X.
Reviews: [ref. R340]
- 281.** EKELAND, Ivar. *The Best of All Possible Worlds: Mathematics and Destiny*. (207 pp.; bibl.; index; ill.) Chicago: University of Chicago Press, 2006. ISBN: 0226199940.
History of the idea of optimization in mathematics beginning in the 18th century and its applications in biology, economics, and politics.
- 282.** GANEA, Mihai. "Foundations of Arithmetical Knowledge." *Diss. Abstr. Int.* A 67/05 (2006): 1757.
Dissertation at University of Illinois at Chicago, 2006. Adviser: Hart, W. D. UMI pub. no. 3218918. 358 pp.
- 283.** GRATTAN-GUINNESS, Ivor. "On Certain Somewhat Neglected Features of the History of Mathematics." *Arch. Int. Hist. Sci.* 55 (2005): 383–402.
- 284.** GUO Gui-chun and SONG Shang-wei. "Research into the origin of probability theory." [Translated title.] In Chinese. *Kexue Jishu yu Bianzhengfa* 23, no. 2 (2006): 89–93.
- 285.** HEATHCOTE, Adrian. "An Imaginary Universe." *Metascience* 14 (2005): 179–184.
Essay review of Barry MAZUR, *Imagining Numbers (Particularly the Square Root of Minus Fifteen)* (2003) [ref. 289].
- 286.** HERREMAN, Alain. *La topologie et ses signes: Éléments pour une histoire sémiotique des mathématiques*. (348 pp.; ill.) Paris: Harmattan, 2000. ISBN: 2738489451.
Reviews: [ref. R620]
- 287.** MAOR, Eli. *The Pythagorean Theorem: A 4,000-Year History*. (xvi + 259 pp.; ill.; maps; bibl.; index.) Princeton: Princeton University Press, 2007. ISBN: 9780691125268.
- 288.** MARTÍNEZ-TORREGROSA, Joaquín, Rafael LÓPEZ-GAY, and Albert GRAS-MARTÍ. "Mathematics in Physics Education: Scanning Historical Evolution of the Differential to Find a More Appropriate Model for Teaching Differential Calculus in Physics." *Sci. and Educ.* 15 (2006): 447–462.
Describes the contributions of Leibniz and Cauchy and an alternative by the 20th-century French mathematician Fréchet.
- 289.** MAZUR, Barry. *Imagining Numbers (Particularly the Square Root of Minus Fifteen)*. (xvi + 270 pp.; bibl.; index.) New York: Farrar Straus Giroux, 2003. ISBN: 0374174695.
History of complex numbers through the 18th century.
Reviews: [ref. 285]
- 290.** MESCHINI, Diego, Markku LEHTO, and Johanna PIILONEN. "Geometry, Pregeometry and Beyond." *Stud. Hist. Phil. Mod. Phys.* 36 (2005): 435–464.
On the ways geometry is used to make sense of the physical universe, in particular in terms of representations of spacetime.
- 291.** NETZ, Reviel. "The History of Early Mathematics: Ways of Re-Writing." Introduction to a special issue. *Sci. Context* 16 (2003): 275–286.
Contents: Ian MUELLER, "Remarks on Euclid's Elements I, 32 and the Parallel Postulate," 287–297 [ref. 965]; Christian Marinus TAISBAK, "Exceeding and Falling Short: Elliptical and Hyperbolic Application of Areas," 299–318 [ref. 973]; Ido YAVETZ, "On Simplicius' Testimony Regarding Eudoxan Lunar Theory," 319–329 [ref. 991]; Ken SAITO, "Phantom Theories of Pre-Eudoxean Proportion," 331–347 [ref. 968]; Michael FRIED, "The Use of Analogy in Book VII of Apollonius' *Conica*," 349–365 [ref. 958]; Annette IMHAUSEN, "Egyptian Mathematical Texts and Their Contexts," 367–389 [ref. 887]; Alain BERNARD, "An-

cient Rhetoric and Greek Mathematics: A Response to a Modern Historiographical Dilemma," 391–412 [ref. 957]; Karine CHEMLA, "Generality above Abstraction: The General Expressed in Terms of the Paradigmatic in Mathematics in Ancient China," 413–458 [ref. 739].

292. SCHUBRING, Gert. "Production mathématique, enseignement et communication : Remarques sur la note de Bruno Belhoste, 'Pour une réévaluation du rôle de l'enseignement dans l'histoire des mathématiques' parue dans la RHM 4 (1998), p. 289-304." *Rev. Hist. Math.* 7 (2001): 295–305.

293. ZABELL, S. L. *Symmetry and Its Discontents: Essays on the History of Inductive Probability*. Cambridge Studies in Probability, Induction, and Decision Theory. (xii + 279 pp.; ill.; bibl.; index.) New York: Cambridge University Press, 2005. ISBN: 0521444705.

Reviews: [ref. R1473]

110. ASTRONOMY AND COSMOLOGY

294. FRASER, Craig G. *The Cosmos: A Historical Perspective*. Greenwood Guides to Great Ideas in Science. (xii + 179 pp.; ill.; bibl.; index.) Westport, CT: Greenwood Press, 2006. ISBN: 0313332185.

295. HOSKIN, Michael. "Novae and Variables before the Spectroscope." *J. Hist. Astron.* 38 (2007): 365–379.

296. JAGER, Cornelis de. "Development of Ideas about the Origin of the Universe." *Eur. Rev.* 14 (2006): 303–311.

297. KOSSO, Peter. "Detecting Extrasolar Planets." *Stud. Hist. Phil. Sci.* 37 (2006): 224–236.

Asks if extrasolar planets are observed or inferred from evidence.

298. SCHOPPER, Herwig. "Die Einheit von Mikro- und Makrokosmos: Quantität und Qualität in der Physik." In *Wissenschaft zwischen Qualitas und Quantitas*, edited by NEUENSCHWANDER (2003) [ref. 155], 173–204.

299. WEINTRAUB, David A. *Is Pluto a Planet? A Historical Journey through the Solar System*. (ix + 254 pp.; ill.; bibl.; index.) Princeton, N.J.: Princeton University Press, 2007. ISBN: 0691123489.

300. ZIRKER, J. B. *An Acre of Glass: A History and Forecast of the Telescope*. (343 pp.; ill.; bibl.; index.) Baltimore: Johns Hopkins University Press, 2005. ISBN: 978080188234.

Reviews: [ref. R1481]

111. ASTROLOGY

301. OESTMANN, Günther, H. Darrel RUTKIN, and Kocku von STUCKRAD. (Eds.) *Horoscopes and Public Spheres: Essays on the History of Astrology*. Religion and Society, 42. (viii + 290 pp.; ill.; bibl.; index.) New York: Walter de Gruyter, 2005. ISBN: 3110185458.

On imperial horoscopes in late antiquity, doctrines and rhetorics in Islamic medieval contexts, and astrology in early modern Europe.

Reviews: [ref. R1029]

112. PHYSICS; EXACT SCIENCES, GENERAL WORKS

302. BAIGRIE, Brian. *Electricity and Magnetism: A Historical Perspective*. Greenwood Guides to Great Ideas in Science. (xiii + 165 pp.; ill.; bibl.; index.) Westport, CT: Greenwood Press, 2006. ISBN: 0313333580.

303. BANGU, Sorin. "Pythagorean Heuristic in Physics." *Perspect. Sci.* 14 (2006): 387–416.

Looks at the notion of the belief in the relationship of beauty, or aesthetics, and truth claims in science, especially among modern physicists.

304. DECAEN, Christopher A. "Aristotle's Aether and Contemporary Science." *Thomist* 68 (2004): 375–429.

305. FRANKLIN, Allan. *No Easy Answers: Science and the Pursuit of Knowledge*. (xii + 258 pp.; ill.; bibl.; index.) Pittsburgh: University of Pittsburgh Press, 2005. ISBN: 082294250X.

Uses historical case studies in atomic and subatomic physics to discuss the philosophy of science.

Reviews: [ref. R446]

306. GUIMARÃES, Alberto Passos. *From Lodestone to Supermagnets: Understanding Magnetic Phenomena*. (xi + 236 pp.; ill.; bibl.; index.) Weinheim: Wiley-VCH, 2005. ISBN: 3527405577.

A history from ancient times to the present.

Reviews: [ref. R548]

307. HENSON, Joe. "Comparing Causality Principles." *Stud. Hist. Phil. Mod. Phys.* 36 (2005): 519–543.

On causality in physics, with references to Reichenbach and Bell.

308. HENTSCHEL, Klaus. "Zur Geschichte visueller Darstellungen von Spektren." *Naturwiss. Rundsch.* 55 (2002): 577–587.

The article deals with the development of various types of visual representations of spectra between the early modern period and the early 20th century.

309. HOLMBERG, Peter. "The Physical Tourist: Physics in Helsinki." *Phys. Persp.* 6 (2004): 76–113.

310. HOLTON, Gerald. "Philipp Frank at Harvard University: His Work and His Influence." *Synthese* 153 (2006): 297–311.

311. JAMMER, Max. *Concepts of Simultaneity: From Antiquity to Einstein and Beyond*. (x + 308 pp.; ill.; bibl.; index.) Baltimore, MD: Johns Hopkins University Press, 2006. ISBN: 0801884225.

"A critical analysis of the use of this concept by philosophers of science, like Poincaré, and its significant role in inaugurating modern theoretical

physics in Einstein's special theory of relativity." (from the abstract)

312. JOHNSTON, Sean F. "The Physical Tourist Physics in Glasgow: A Heritage Tour." *Phys. Persp.* 8 (2006): 451–465.

313. KLÄHN, Bernd. "Fresnel's Particular Waves: Models of Light as Catalytic Modes of Worldmaking in Early Modern Times." In *Repositioning Victorian Science*, edited by CLIFFORD et al. (2006) [ref. 1972], 157–170.

The chapter covers a wide period from early modern to 20th century.

314. KOVÁCS, László, Sr. "The Physical Tourist: Budapest: A Random Walk in Science and Culture." *Phys. Persp.* 5 (2003): 310–348.

On sites of historical significance in physics in Budapest.

315. KUBBINGA, Henk. *De molecularisering van het wereldbeeld*. (2 vols.; xxxv + 1034 pp.; ill.; bibl.; index.) Hilversum: Verloren, 2005. ISBN: 9065507310; 9065507339.

Covers ancient period to 20th century with a heavy focus on 19th and 20th centuries.

Reviews: [ref. R777]

316. MCCABE, Gordon. "Universe Creation on a Computer." *Stud. Hist. Phil. Mod. Phys.* 36 (2005): 591–625.

317. MCLAUGHLIN, Thomas. "Local Motion and the Principle of Inertia: Aquinas, Newtonian Physics and Relativity." *Int. Phil. Quart.* 44 (2004): 239–264.

318. MCLAUGHLIN, Thomas J. "The Aristotelian Definition of Motion and the Principle of Inertia." *Diss. Abstr. Int. A* 67/05 (2006): 1759.

Dissertation at University of St. Thomas, 2001. Adviser: Knasas, John F. X. UMI pub. no. 3221865. 600 pp. "This dissertation argues that Newton's First Law of Motion...is compatible with the Aristotelian definition of motion accepted by St. Thomas Aquinas and with the mover causality principle." (from the abstract)

319. MOURIER, Georges. *Les ondes en physique : de Pythagore à nos jours : vibrations, ondes, impulsions*. (190 pp.) Paris: Ellipses Édition Marketing, 2002. ISBN: 2729811508.

Reviews: [ref. R981]

320. NEWTON, Roger G. *From Clockwork to Crapshoot: A History of Physics*. (viii + 340 pp.; ill.; maps; bibl.; index.) Cambridge, Mass.: Belknap Press of Harvard University Press, 2007. ISBN: 0674023374.

Reviews: [ref. R1009]

321. PALMIERI, Paolo. Essay review. *Aestimatio* 2 (2005): 84–88.

Available at http://www.ircps.org/publications/aestimatio/pdf/2005-08-01_Palmieri.pdf. Essay review of Monica UGAGLIA, *Modelli idrostatici del moto da Aristotele a Galileo* (2004) [ref. 330].

322. PITTS, J. Brian. "Absolute Objects and Counterexamples: Jones-Geroch Dust, Torretti Constant Curvature, Tetrad-Spinor, and Scalar Density." *Stud. Hist. Phil. Mod. Phys.* 37 (2006): 347–371.

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Reviews: [ref. R1327]

132. ZOOLOGY

(includes animal anatomy and physiology; for primatology, see 135-Physical anthropology)

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200-11. SOCIOLOGY OF SCIENCE; PSYCHOLOGY OF SCIENCE

644. GREIFF, Alexis de, and Nieto OLARTE. "What We Still Do Not Know about South-North Technoscientific Exchanges: North-Centricism, Scientific Diffusion, and the Social Studies of Science." In *The Historiography of Contemporary Science, Technology, and Medicine*, edited by DOEL and SÖDERQVIST (2006) [ref. 54], 239–259.

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200-151. PSYCHIATRY; MEDICAL PSYCHOLOGY
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656. COOPER, Glen M. Essay review. *Aestimatio* 1 (2004): 5–12.

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658. IHSANOGLU, Ekmeleddin, and Efthymios NICOLAIDIS. "Communications du Symposium 'La diffusion de la science et de la technologie dans l'Empire Ottoman et les États nationaux.'" Introduction to special issue: "Diffusion of Science and Technology: Ottoman Empire and National States." *Arch. Int. Hist. Sci.* 55 (2005): 417–418.

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Bows, and Arrows," 435–457 [ref. 716]; Tuncay ZORLU, "The Ottoman Experience with Copper Sheathing of Warships," 459–466 [ref. 668]; Vehbi BAYSAN, "Restructuring Ottoman State and Society: Bureaucratic View of Science and Technology during the Reform Period," 467–480 [ref. 669]; Ioli VINGOPOULOU, "Botanistes, naturalistes, scientifiques, docteurs ou voyageurs en Orient? XVI^e-XIX^e siècles," 481–490 [ref. 701].

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662. MURPHY, Jane Holt. "Improving the Mind and Delighting the Spirit: Jabarti and the Sciences in Eighteenth-Century Ottoman Cairo." *Diss. Abstr. Int.* A 67/07 (2007).

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210-20. SCIENCE AND ITS INTERACTION WITH SOCIETY AND CULTURE, GENERAL WORKS
(includes popular culture; popularization of science; public understanding of science)

664. JONES, Toby Craig. "The Dogma of Development: Technopolitics and the Making of Saudi Arabia, 1950–1980." *Diss. Abstr. Int.* A 67/09 (2007).

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210-28. SCIENCE AND RELIGION

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210-29. SCIENCE AND WAR

668. ZORLU, Tuncay. "The Ottoman Experience with Copper Sheathing of Warships." Part of special issue: "Diffusion of Science and Technology: Ottoman Empire and National States" [ref. 658]. *Arch. Int. Hist. Sci.* 55 (2005): 459–466.

210-42. SCIENCE EDUCATION

(includes history of educational institutions)

669. BAYSAN, Vehbi. "Restructuring Ottoman State and Society: Bureaucratic View of Science and Technology during the Reform Period." Part of special issue: "Diffusion of Science and Technology: Ottoman Empire and National States" [ref. 658]. *Arch. Int. Hist. Sci.* 55 (2005): 467–480.

210-102. HISTORY OF PHILOSOPHY; HISTORY OF IDEAS

(includes history of philosophy of science)

670. BORISOV, A. IA. *Materialy i issledovaniia po istorii Neoplatonizma na srednevekovom Vostoke*. edited by K. B. STARKOVA and E. N. MESHCHERSKAIA. Pravoslavnyi palestiniskii sbornik, 99. (256 pp.) St. Petersburg: DB, 2002. ISBN: 5860072163. Reviews: [ref. 673]

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674. WIRMER, David. "Le Grand Commentaire d'Averroès au *De anima* et ses lectures juifs." *Arab. Sci. Phil.* 17 (2007): 135–158.

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675. ZGHAL, Hatem. "La relation chez Avicenne." *Arab. Sci. Phil.* 16 (2006): 237–286.

210-103. MATHEMATICS

676. BERGGREN, J. L., and Glen Van BRUMMELEN. "Al-Kuhi's Revision of Book I of Euclid's *Elements*." *Hist. Math.* 32 (2005): 426–452.

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679. HOGENDIJK, Jan P. "The Lost Geometrical Parts of the *Istikmāl* of the Yūsuf al-Mu'taman Ibn Hūd (11th Century) in the Redaction of Ibn Sarrāq (14th Century): An Analytical Table of Contents." *Arch. Int. Hist. Sci.* 53 (2003): 19–34.

680. HOUZEL, Christian. "Geometry and Dioptrics in Classical Islam." *Arab. Sci. Phil.* 17 (2007): 109–133.

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681. LÉVY, Tony. "L'Algèbre arabe dans les textes hébraïques (II). Dans l'Italie des XV^e et XVI^e siècles, sources arabes et sources vernaculaires." *Arab. Sci. Phil.* 17 (2007): 81–107.

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210-110. ASTRONOMY AND COSMOLOGY

687. BAGHERI, Mohammad. "Kūshyār ibn Labbān's Glossary of Astronomy." *Sciamvs* 7 (2006): 145–174.

688. DÍAZ-FAJARDO, Montse. "Al-Zīry al-Mustawfā' de Ibn al-Raqqām y los apogeos planetarios en la tradición andaluso-magrebí." *al-Qanṭara* 36 (2005): 19–30.

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690. RASHED, Roshdi. "The Celestial Kinematics of Ibn Al-Haytham." *Arab. Sci. Phil.* 17 (2007): 7–55.

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210-112. PHYSICS; EXACT SCIENCES, GENERAL WORKS

692. ADAMSON, Peter. "Vision, Light and Color in al-Kindi, Ptolemy and the Ancient Commentators." *Arab. Sci. Phil.* 16 (2006): 207–236.

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693. AL-HAYTHAM, al-Hasan ibn. *Kitab al-manazir: al-maqalat al-rabi'ah wa al-khamisah fi in'ikas al-adwa wa mawadi' al-khayalat al-mubSarah bi-al-in'ikas*. edited by A. I. SABRA. Translated title: [Kitab al-Manazir (The Optics) of al-Hasan ibn al-Haytham, Books IV-V, On reflection, and images seen by reflection]. In Arabic. al-Silsilah al-turathiyah, 27. (2 vol.; ill.; index.) al-Kuwayt: al-Majlis al-Watani lil-Thaqafah wa-al-Funun wa-al-Adab, 2002.

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694. AZMI, Altaf Ahmad. "Contribution of Ibn al-Haytham to Optics." *Stud. Hist. Med. Sci.* 17 (2001): 51–71.

210-121. GEOGRAPHY; CARTOGRAPHY; EXPLORATION

695. ŞENGÖR, A. M. Celâl. "Ex Oriente Lux Mundi." *Ann. Sci.* 63 (2006): 483–492.

Essay review of Fuat SEZGIN, *Geschichte des Arabischen Schrifttums*, Band X (2000) [ref. 696]; Fuat SEZGIN, *Geschichte des Arabischen Schrifttums*, Band XI (2000) [ref. 697]; Fuat SEZGIN, *Geschichte des Arabischen Schrifttums*, Band XII (2000) [ref. 698]; Fuat SEZGIN, *Mathematical Geography and Cartography in Islam and Their Continuation in the Occident*, Volume I (2005) [ref. 700].

696. SEZGIN, Fuat. *Geschichte des Arabischen Schrifttums*, Band X: *Mathematische Geographie und Kartographie im Islam und Ihr Fortleben im Abendland—Historische Darstellung*. Teil 1. (xxx + 634 pp.) Frankfurt am Main: Institut für Geschichte der Arabisch-Islamischen Wissenschaften an der Johann Wolfgang Goethe-Universität, 2000. ISBN: 3829800568.

Reviews: [ref. 695]

697. SEZGIN, Fuat. *Geschichte des Arabischen Schrifttums*, Band XI: *Mathematische Geographie und Kartographie im Islam und Ihr Fortleben im Abendland—Historische Darstellung*. Teil 2. (716 pp.) Frankfurt am Main: Institut für Geschichte der Arabisch-Islamischen Wissenschaften an der Johann Wolfgang Goethe-Universität, 2000. ISBN: 3829800576.

Reviews: [ref. 695]

698. SEZGIN, Fuat. *Geschichte des Arabischen Schrifttums*, Band XII: *Mathematische Geographie und Kartographie im Islam und Ihr Fortleben*

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699. SEZGIN, Fuat. *Mathematical Geography and Cartography in Islam and Their Continuation in the Occident*. Volume III: *Volume of Maps*. Translated by Guy MOORE and Geoff SAMMON. (362 pp.; maps.) Frankfurt am Main: Institute for the History of Arabic-Islamic Science, 2000.

English translation of Fuat SEZGIN, *Geschichte des Arabischen Schrifttums*, Band XII (2000) [ref. 698].

700. SEZGIN, Fuat. *Mathematical Geography and Cartography in Islam and Their Continuation in the Occident*, Volume I: *Historical Presentation*, Part I. Translated by Guy MOORE and Geoff SAMMON. (636 pp.; bibl.; index; ill.) Frankfurt am Main: Institute for the History of Arabic-Islamic Science, 2005. ISBN: 3829800606.

English translation of Fuat SEZGIN, *Geschichte des Arabischen Schrifttums*, Band X (2000) [ref. 696]

Reviews: [ref. 695]

210-131. BOTANY (includes plant sciences)

701. VINGOPOULOU, Ioli. "Botanistes, naturalistes, scientifiques, docteurs ou voyageurs en Orient? XVI^e-XIX^e siècles." Part of special issue: "Diffusion of Science and Technology: Ottoman Empire and National States" [ref. 658]. *Arch. Int. Hist. Sci.* 55 (2005): 481–490.

210-140. SOCIAL SCIENCES, GENERAL WORKS (includes criminology, demography, etc.)

702. BAALI, Fuad. *The Science of Human Social Organization: Conflicting Views on Ibn Khaldun's (1332-1406) Ilm al-umran*. Mellen Studies in Sociology, 45. (ix + 149 pp.; bibl.; index.) Lewiston, NY: Edwin Mellen Press, 2005. ISBN: 0773462791.

210-150. MEDICAL SCIENCES, GENERAL WORKS (includes human anatomy and physiology; see also 135-Physical anthropology)

703. ALI, Syed Mahtab. "Contribution of Muslim Physicians to Anatomy." *Stud. Hist. Med. Sci.* 19 (2003): 85–93.

704. ASHRAF, Jaweed. "Medico-social Study of *Majmū'a-i Ziyā'ī*: A Medieval Persian Unani Manuscript." *Stud. Hist. Med. Sci.* 19 (2003): 19–43.

705. AZMI, Altaf Ahmad. "Impact of Arabian Medicine on the Western World in the Middle Ages." *Stud. Hist. Med. Sci.* 17 (2001): 1–12.

706. BARI, Abdul. "*Dastūr al-Hunūd*: A Persian Tibbi Manuscript." *Stud. Hist. Med. Sci.* 19 (2003): 53–60.

707. BARI, Abdul. "Graeco-Arab Medicine in Iran during Safawi Period." *Stud. Hist. Med. Sci.* 17 (2001): 39–49.

708. BARI, Abdul, and Arshad HUSSAIN. "Hakim 'Imād al-Dīn Mahmūd Shīrāzī and Risālah Bīkh-i Chini." *Stud. Hist. Med. Sci.* 17 (2001): 73–109.

Includes transcript of *Risālah Bikh-i Chini* on pp. 87–109.

709. DEURASEH, Nurdeen. “Contributions of the Arabs to Greek Medicine during the Middle Ages.” *Stud. Hist. Med. Sci.* 20 (2005): 27–44.

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Adviser: Sloan, Phillip R. and Ahmad Dallal. UMI pub. no. 3243286. 288 pp.

711. HAMEED, Abdul. “Medical Ethics in Medieval Islam.” *Stud. Hist. Med. Sci.* 16 (1999/2000): 1–19.

712. LANGERMANN, Y. Tzvi. “Medical *Isrā’īliyyār?* Ancient Islamic Medical Traditions Transcribed into the Hebrew Alphabet.” *Alph* 6 (2006): 373–398.

713. SARI, Nil, and Ali H. BAYAT. “The Medical Organization at the Ottoman Court.” *Stud. Hist. Med. Sci.* 16 (1999/2000): 37–51.

714. ZILLURRAHMAN, S. “Hakīm Aẓam Khān and His Dictionary of Synonyms: *Asmā’ al-Adwiya*.” Translated from Urdu by Asghar ALI. *Stud. Hist. Med. Sci.* 16 (1999/2000): 53–65.

210-153. PHARMACY

(includes pharmaceuticals and illicit drugs)

715. PITTLE, Kevin D. “Continuity and Change in Islamic Ethnopharmacological Practice: New Methods for Cognitive Dialectometry.” *Diss. Abstr. Int. A* 67/04 (2006).

Dissertation at Florida State University, 2005. Adviser: Josserand, J. K. UMI pub. no. 3216640. 232 pp.

210-160. TECHNOLOGY, GENERAL WORKS

(includes architecture)

716. BIR, Atilla, Mustafa KAÇAR, and Şinasi ACAR. “Ottoman Distance Archery, Bows, and Arrows.” Part of special issue: “Diffusion of Science and Technology: Ottoman Empire and National States” [ref. 658]. *Arch. Int. Hist. Sci.* 55 (2005): 435–457.

220. BYZANTIUM AND EASTERN CHRISTIAN CONTEXTS

220-163. AGRICULTURE AND RELATED SCIENCES

(includes animal husbandry, forestry, and food science)

717. MCCABE, Anne. *A Byzantine Encyclopaedia of Horse Medicine: The Sources, Compilation, and Transmission of the Hippiatrica*. Oxford Studies in Byzantium. (xii + 347 pp.; ill.; bibl.; index.) Oxford; New York: Oxford University Press, 2007. ISBN: 0199277559.

Explores the transmission of knowledge from the Greek period; focuses on this text’s transmission from manuscript to printed edition.

230. EAST ASIAN AND SOUTHEAST ASIAN CONTEXTS

230-1. GENERAL HISTORIES OF SCIENCE

(includes interdisciplinary topics and biographies of scientists)

718. BRENNAN, Andrew. “Asian Traditions of Knowledge: The Disputed Questions of Science, Nature and Ecology.” *Stud. Hist. Phil. Biol. Biomed. Sci.* 33 (2002): 567–581.

719. ELMAN, Benjamin A. *A Cultural History of Modern Science in China*. New Histories of Science, Technology, and Medicine. (xii + 308 pp.; ill.; maps; bibl.; index.) Cambridge, Mass.: Harvard University Press, 2006. ISBN: 0674023064.

Reviews: [ref. R389]

720. FAN, Fa-ti. “Science in Late Imperial China.” *Isis* 97 (2006): 535–538.

Essay review of Benjamin A. ELMAN, *On Their Own Terms* (2005).

721. HAN Jian-min. “Science communication in late Qing Dynasty.” [Translated title.] In Chinese. *J. Dial. Natur.* 27, no. 1 (2005): 33–37.

722. KIM Yung Sik. *Jeong Yakyong sasang sogui gwahak gisul*. Translated title: [The place of science and technology in the thought of Jeong Yakyong: Confucian tradition, practicality, and science]. In Korean. Seoul: Seoul National University Press, 2006.

The first independent volume that presents research on the Confucian scholar Jeong Yakyong’s (1762-1836) theories and views on science and technology.

723. KOREAN HISTORY OF SCIENCE SOCIETY. (Ed.) *Han’guk gwahakgisul inmul 12in*. Translated title: [Twelve figures in Korean history of science and technology]. In Korean. Seoul: Haenamu Publishing, 2005.

A compilation of biographical studies on twelve distinguished figures in Korean science and technology from the 13th century to the 20th century.

724. MOON Joong-Yang and KOO Mhan-Ock. (Eds.) *Han’guk sirak sasang yeon’gu 4: gwahakgisul-pyeon*. Translated title: [Studies on the thoughts of Sirak scholarship in late Joseon Korea, vol. 4: science and technology]. In Korean. Seoul: Hyeon Publishing Co., 2005.

On the introduction of Western science to Korea and the developmental changes of traditional scientific discourses (focuses on particular sciences such as astronomy, astronomical instruments, geography, medicine, and agriculture).

725. MOON Joong-Yang. “Sejong-dae gwahak gisul eui jajuseong, dasi bigi.” Translated title: [Science and technology in King Sejong’s era: questioning its independence from China]. In Korean. *Yoksa Hakbo* 189 (2006): 39–72.

Argues that science and technology during King Sejong’s reign (1418-1450) was neither independent nor different from that in China, despite the general perception to the contrary.

726. MOON Joong-Yang. *Uriyeoksa gwahak gi-haeng*. Translated title: [A journey through science

in Korean history]. In Korean. Seoul: East-Asia Publishing, 2006.

On the relics and artifacts of Korean traditional sciences (star maps, world maps, astronomical instruments, armillary spheres, scaphe sundials, warships, firearms, etc.).

727. SHANKMAN, Steven, and Stephen W. DURANT. (Eds.) *Early China/Ancient Greece: Thinking through Comparisons*. SUNY Series in Chinese Philosophy and Culture. (viii + 305 pp.; bibl.; index.) Albany: State University of New York Press, 2002. ISBN: 0791453138.

230-5. HISTORIOGRAPHY; HISTORICAL METHODS

728. QU An-jing. "Revisiting two movements of research in the history of Chinese mathematics." [Translated title.] In Chinese. *J. Dial. Natur.* 28, no. 5 (2006): 100–104.

On 20th-century historiography of the history of Chinese mathematics.

729. WANG Yang-zong. "Yang Quan (1893–1933) and the Needham problem." [Translated title.] In Chinese. *Guangxi Minzu Xueyuan Xuebao* 12, no. 3 (2006): 34–36.

230-20. SCIENCE AND ITS INTERACTION WITH SOCIETY AND CULTURE, GENERAL WORKS

(includes popular culture; popularization of science; public understanding of science)

730. SHAN Zhicong. "Some questions on the studies of scientific social history in Song Dynasty." [Translated title.] In Chinese. *J. Dial. Natur.* 26, no. 5 (2004): 103–106.

731. WANG Li. "The resistance and tension between Chinese culture and science and technology." [Translated title.] In Chinese. *Stud. Dial. Natur.* 22, no. 8 (2006): 83–85.

230-29. SCIENCE AND WAR

732. KIM Yeon-hee. "Yeonseonsa haeng gungye hakjodan eui jae pyeong-ga." Translated title: [A reappraisal of the Gungyehakjodan of yeonseonsa haeng]. In Korean. *Han-gook-sa Yeon-goo* 137 (2007): 227–267.

Examines the Gungyehakjodan, a corps of 38 technicians, dispatched to Taijin, China, in October 1881 by the government of Joseon Korea to acquire new arms production techniques of the Qing Dynasty.

733. YATES, Robin D. S. "The History of Military Divination in China." *EASTM* 24 (2005): 15–43.

230-41. SCIENTIFIC INSTRUMENTS

(includes science of measurement)

734. LE ROUX, Pierre, Bernard SELLATO, and Jacques IVANOFF. (Eds.) *Poids et mesures en Asie du sud-est : Systèmes métrologiques et sociétés*. Etudes thématiques. (423 pp.; ill.) Paris: Ecole française d'extrême-orient, 2004. ISBN: 2855396333.

230-102. HISTORY OF PHILOSOPHY; HISTORY OF IDEAS

(includes history of philosophy of science)

735. LIM Jong-tae. "Muhan uju eui uhwa – Hong Dae-yong eui gwahak gwa munmyeongnon." Translated title: [An allegory of the infinite universe—Hong Dae-yong's thoughts on science and civilization]. In Korean. *Yeoksa Bipyeong* 58 (2005): 261–285.

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736. WANG, Robin R. "Zhou Dunyi's *Diagram of the Supreme Ultimate Explained* (*Taijiyu shou*): A Construction of the Confucian Metaphysics." *J. Hist. Ideas* 66 (2005): 307–323.

737. YANG Ze-zhong. "Why the axiomatic method had little influence from the late Ming Dynasty to the early Qing Dynasty." [Translated title.] In Chinese. *Kexue Jishu yu Bianzhengfa* 23, no. 5 (2006): 84–87.

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738. YUAN, Jinmei. "'Kinds, *Lei*' in Ancient Chinese Logic: A Comparison to 'Categories' in Aristotelian Logic." *Hist. Phil. Quart.* 22 (2005): 181–199.

230-103. MATHEMATICS

739. CHEMLA, Karine. "Generality above Abstraction: The General Expressed in Terms of the Paradigmatic in Mathematics in Ancient China." *Sci. Context* 16 (2003): 413–458.

740. CHU, Pingyi. "Fudu shengcai: Mei Wending de *Lixueyiwenbu* yu Kangxi de *Sanjiaoxing tuisuan-falun*." Translated title: [Reading the words of his majesty: On the dialogue between Mei Wending's *Supplements to the Questions about Calendrical Learning* and Kangxi's *On Trigonometry*]. In Chinese. *Xinshixue* (*New History*) 16, no. 1 (2005): 51–84.

741. CULLEN, Christopher. "Can We Make the History of Mathematics Historical? The Case of Ancient China." *Stud. Hist. Phil. Sci.* 37 (2006): 515–525.

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742. CULLEN, Christopher. "The *Suàn shù shū*, 'Writings on Reckoning': Rewriting the History of Early Chinese Mathematics in the Light of an Excavated Manuscript." *Hist. Math.* 34 (2007): 10–44.

743. HOON, Jun Yong. "Mathematics in Context: A Case in Early Nineteenth-Century Korea." *Sci. Context* 19 (2006): 475–512.

744. ZHANG Jian-wei. "Seki Takakazu and the Japanese calculation tradition (*wasan*)." [Translated title.] In Chinese. *Nei Menggu Shifan Daxue Xuebao* (*Ziran Kexue Ban*) 35, no. 1 (2006): 123–126.

230-104. MUSIC THEORY

745. WU Hong-ya. "A study on the scientific skepticism and critical spirit of Chu Tsai-Yu's equal tem-

perament scale." [Translated title.] In Chinese. *Kexue Jishu yu Bianzhengfa* 23, no. 1 (2006): 88–111.

Chu discovered the twelve-tone equal temperament scale (*hsin fa mi li*).

230-110. ASTRONOMY AND COSMOLOGY

746. CULLEN, Christopher. "Huo Rong's Observation Programme of A.D. 102 and the *Han Li* Solar Table." *J. Hist. Astron.* 38 (2007): 75–98.

This is a close case study drawing on work by Maeyama Yasukatsu (see *Arch. Int. Hist. Sci.* (1975): 247–76; (1976): 27–58) on an ancient Chinese astronomical observation program.

747. KOO Mhan-Ock. "Choe Yuji (1603-1673) eui jugwonja – 17segi jungban joseon eui sugyeoksik honcheoneui-." Translated title: [Ch'oe Yuchi's chukwonja: a water operated armillary sphere developed in 17th-century Korea]. In Korean. *Han-kuk-sasangsahak* 9 (Dec.) (2005): 173–210.

The instrument was developed by Choe Yuji (1603–1673) and produced in May 1657.

748. LI Di. "A brief study of the Hui-Hui astronomical work in Nanjing during the Ming and Qing Dynasties." [Translated title.] In Chinese. *Nei Menggu Shifan Daxue Xuebao (Ziran Kexue Ban)* 35, no. 1 (2006): 110–113.

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749. LU Ling-feng. "Eclipse records in historical documents of the Qing Dynasty and current research on them." [Translated title.] In Chinese. *Guangxi Minzu Xueyuan Xuebao* 12, no. 1 (2006): 32–36.

750. QU Anjing. *Zhongguo li fa yu shu xue*. Translated title: [The chinese calendar and mathematics]. In Chinese. (xi + 419 pp.; ill.; bibl.; index.) Beijing: Ke xue chu ban she, 2005. ISBN: 7030144678.

751. SMITHIES, Michael. "Eclipses in Siam, 1685 and 1688, and Their Representation." *J. Siam Soc.* 91 (2003): 189–204.

752. WANG Miao. "A study of Xing Yunlu's *Gujin Lvli Kao*." [Translated title.] In Chinese. *J. Dial. Natur.* 27, no. 4 (2005): 92–97.

Gujin Lvli Kao, written in the late Ming China by Xing Yunlu, explores the history of calendrical astronomy from the ancient period to the 17th century, especially the computational algorithms of the Shoushi and Datong systems.

230-111. ASTROLOGY

753. SHI Yun-li and XING Gang. "The calculation and divination of lunar and solar eclipses during the Han Dynasty and their impact on astrological thought." [Translated title.] In Chinese. *J. Dial. Natur.* 28, no. 2 (2006): 79–85.

230-113. CHEMISTRY

754. HERRMANN, Konrad. "Zur Beschreibung chemischer Verfahren in der alchinesischen Technologie-Enzyklopädie 'Tian gong kai wu' aus dem Jahre 1637." *Mitt. Ges. Deut. Chem. Fachgr. Gesch. Chem.* 18 (2005): 3–17.

230-114. ALCHEMY

755. PREGADIO, Fabrizio. *Great Clarity: Daoism and Alchemy in Early Medieval China*. Asian Religions and Cultures. (xvii + 367 pp.; ill.; bibl.; index.) Stanford, Calif.: Stanford University Press, 2006. ISBN: 0804751773.

230-121. GEOGRAPHY; CARTOGRAPHY; EXPLORATION

756. LIEBNER, Horst H. "Indigenous Concepts of Orientation of South Sulawesi Sailors." *BKI* 161 (2005): 269–317.

757. MING, Wan. "Reflections on the Study of Zheng He's Expeditions." *Ming Stud.* No. 49 (2004): 17–33.

758. MING, Wan. "Zheng He's Voyages to the Western Oceans: 3 Books, 1 Map, 1 Novel, 1 Play, and 7 Steles." *Ming Stud.* Nos. 51–52 (2005): 31–42.

759. ROBINSON, Kenneth R. "Chōson Korea in the Ryūkoku *Kangnido*: Dating the Oldest Extant Korean Map of the World (15th Century)." *Imago Mundi* 59 (2007): 177–192.

760. TENG, Emma. *Taiwan's Imagined Geography: Chinese Colonial Travel Writing and Pictures, 1683–1895*. Harvard East Asian Monographs, 230. (xvi + 340 pp.; ill.; maps.) Cambridge, Mass.: Harvard University Asia Center, 2004. ISBN: 0674014510. Reviews: [ref. R1347]

230-122. NATURAL HISTORY

761. ANKER, Peder, Larissa HEINRICH, Kapil RAJ, and Fa-ti FAN. "British Naturalists in the Contact Zone." *Metascience* 14 (2005): 155–169.

Review symposium including a reply by the author. Essay review of Fa-ti FAN, *British Naturalists in Qing China* (2004).

762. NAPPI, Carla Suzan. "The Monkey of the Inkpot: Natural History and Its Transformations in Early Modern China." *Diss. Abstr. Int. A* 67/07 (2007).

Dissertation at Princeton University, 2006. Adviser: Naquin, Susan. UMI pub. no. 3227345. 284 pp. On a work of materia medica and natural history written by Ming scholar Li Shizhen (1518-1593).

230-123. ECOLOGY; ENVIRONMENTAL SCIENCES (includes conservation, natural resource management, and environmental history; for forestry, see 163-Agriculture)

763. CHI'U Chung-lin. "A study of the Ming Dynasty's policy of grass burning to prevent a Mongolian invasion—and its ecological impact." [Translated title.] In Chinese. 38 (2006): 25–63.

230-131. BOTANY

(includes plant sciences)

764. OGAWA, Mariko, and Shōji ENDO. "The Language of Science: The Circulation of Knowledge in Translation." Part of special section: "International Networks, Exchange and Circulation of Knowledge in Life Sciences, 18th to 20th Centuries" [ref. 434]. *Arch. Int. Hist. Sci.* 56 (2006): 215–232.

On the translation of Western botanical works into Japanese in the 19th century, focusing on the efforts to develop suitable Japanese language terminology.

230-137. PSYCHOLOGY; COMPARATIVE PSYCHOLOGY

(includes sociobiology, animal behavior, evolutionary psychology; for clinical psychology, see also 151-Psychiatry)

765. LIU, Xun. "In Search of Immortality: Daoist Inner Alchemy in Early Twentieth-Century China." *Diss. Abstr. Int.* A 63 (2002): 1956.

Dissertation at University of Southern California, 2001. Advisor: Charlotte Furth. UMI order no. 3054773. 474 pp.

230-140. SOCIAL SCIENCES, GENERAL WORKS (includes criminology, demography, etc.)

766. BURMAN, Erica. "Between Orientalism and Normalization: Cross-Cultural Lessons from Japan for a Critical History of Psychology." Part of a special issue: "Power Matters: Knowledge Politics in the History of Psychology" [ref. 506]. *Hist. Psychol.* 10 (2007): 179–198.

A cross-cultural comparison of certain psychological aspects of Japanese and American peoples.

230-150. MEDICAL SCIENCES, GENERAL WORKS (includes human anatomy and physiology; see also 135-Physical anthropology)

767. ALLAIRE, Cédric. "Corps, culture et rééducation: Première partie: Bases de réflexions concernant l'impact de la culture sur les représentations du corps sain et ses conséquences concrètes." *Rev. Quest. Sci.* 178 (2007): 187–218.

History of the body as seen through different cultures, with a focus on Japan.

768. BAY, Alexander R. "The Politics of Disease: Beriberi, Barley, and Medicine in Modern Japan (1700–1939)." *Diss. Abstr. Int.* A 67/09 (2007).

Dissertation at Stanford University, 2006. Adviser: Duus, Peter. UMI pub. no. 3235179. 284 pp. "I trace the transition from the pre-modern world of Chinese medicine or kanpo to the modern world of western medicine." (from the abstract)

769. CH'IU Chung-lin. "Smallpox inoculation in China from the Ming to Qing Dynasties: regional spread, knowledge dissemination, and bacterin production." [Translated title.] In Chinese. *Lishi yuyan yanjiuso jikan* 77, no. 3 (2006): 451–516.

Discusses the origin and spread of smallpox inoculations during the seventeenth and eighteenth centuries.

770. CHAN Chia-feng. "Even a virtuous hero would fall short": the development of pediatrics and its status from the Jin Dynasty to the Tang Dynasty." [Translated title.] In Chinese. *Xinshixue (New History)* 16, no. 2 (2005/6): 1–46.

771. CHANG Che-chia. "The ideas and contents of the medical section of the encyclopedia in the late Qing Dynasty." [Translated title.] In Chinese. *Taiwan Wenxue Yanjiu Jikan* 2 (2006): 59–78.

772. CHU Ping-yi. "Christianity and the rewriting of China's medical past: *Medical History: Past and*

Present." [Translated title.] In Chinese. *Lishi yuyan yanjiuso jikan* 77, no. 4 (2006): 591–626.

On how Wang Honghan applies Western natural philosophy and Christianity to the interpretation of Chinese medical history from the ancient period until the seventeenth century.

773. CHU Ping-yi. "Narrations of histories of medicine from the Song Dynasty to the Ming Dynasty and the rise of the Confucian physician." [Translated title.] In Chinese. *Lishi yuyan yanjiuso jikan* 77, no. 3 (2006): 401–450.

774. CONNOR, Linda H., and Geoffrey SAMUEL. (Eds.) *Healing Powers and Modernity: Traditional Medicine, Shamanism, and Science in Asian Societies.* (xiii + 283 pp.; ill.; bibl.; index; notes.) Westport, Conn.: Bergin & Garvey, 2001. ISBN: 0897897153.

Medical anthropology studies in Korea, Malaysia, Indonesia, India, China, and Tibet.

775. GARRETT, Frances. "Ordering Human Growth in Tibetan Medical and Religious Embryologies." In *Textual Healing*, edited by FURDELL (2005) [ref. 1133], 31–52.

776. GOBLE, Andrew Edmund. "War and Injury: The Emergence of Wound Medicine in Medieval Japan." *Mon. Nipp.* 60 (2005): 297–338.

777. HAO Xian-zhong. "On Yu Yun-xiu, the leader of the 'abolish Chinese medicine' circle." [Translated title.] In Chinese. *J. Dial. Natur.* 26, no. 6 (2004): 72–76.

After studying modern medicine in Japan, Yu (1879–1954) sought to eliminate traditional medicine in China.

778. JANNETTA, Ann. *The Vaccinators: Smallpox, Medical Knowledge, and the "Opening" of Japan.* (xviii + 245 pp.; maps; ill.; bibl.; index.) Stanford, Calif.: Stanford University Press, 2007. ISBN: 9780804754897.

779. LIN Fu-shih. "Healers or patients? The shaman's roles and images in Taiwan." [Translated title.] In Chinese. *Lishi yuyan yanjiuso jikan* 76, no. 3 (2005): 511–568.

780. LIU Shu-fen. "Between self-cultivation and the monastic code: tea and medicinal soup during the Tang and Song Dynasties." [Translated title.] In Chinese. *Lishi yuyan yanjiuso jikan* 77, no. 3 (2006): 357–400.

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781. PANDEY, Rajyashree. "Desire and Disgust: Meditations on the Impure Body in Medieval Japanese Narratives." *Mon. Nipp.* 60 (2005): 195–219.

Looks at meditations on the "foulness" of the physical body and on representations of the body and of human corpses.

782. PARK Yunjae. "Medical Policies toward Indigenous Medicine in Colonial Korea and India." *Korea J.* 46, no. 1 (2006): 198–224.

783. TAYLOR, Kim. "Divergent Interests and Cultivated Misunderstandings: The Influence of the West on Modern Chinese Medicine." *Soc. Hist. Med.* 17 (2004): 93–111.

784. VOLKMAR, Barbara. "The Concept of Contagion in Chinese Medical Thought: Empirical Knowledge versus Cosmological Order." *Hist. Phil. Life Sci.* 22 (2000): 147–165.

230-152. PUBLIC HEALTH; HEALTH; NUTRITION

785. CONLAN, Thomas D. "Thicker than Blood: The Social and Political Significance of Wet Nurses in Japan, 950-1330." *Harvard J. Asia. Stud.* 65 (2005): 159–205.

786. RONCARATI, Marco. "Health Care Development in a Changing Thai Society: Beyond the Physical." *J. Siam Soc.* 91 (2003): 205–222.

Discusses the relation to traditional medicine and the role of mind-body understanding as it pertains to medical care.

230-160. TECHNOLOGY, GENERAL WORKS
(includes architecture)

787. DUAN Yao-yong. "The development of the idea of the fire protection and the technology of fire protection in China." [Translated title.] In Chinese. *J. Dial. Natur.* 27, no. 3 (2005): 85–90.

Studies the economic, cultural, and political influences on the development of this technology.

788. FENG, Jiren. "The Song-Dynasty Imperial 'Yingzao fashi' (Building Standards, 1103) and Chinese Architectural Literature: Historical Tradition, Cultural Connotations, and Architectural Conceptualization." *Diss. Abstr. Int. A* 67/08 (2007).

Dissertation at Brown University, 2006. Adviser: Bickford, Maggie. UMI pub. no. 3227827. 376 pp.

789. ZHAO Rui-ting. "Traditional Chinese metal crafts during the Tang Dynasty." [Translated title.] In Chinese. *Nei Menggu Shifan Daxue Xuebao (Ziran Kexue Ban)* 35, no. 4 (2006): 513–517.

230-163. AGRICULTURE AND RELATED SCIENCES

(includes animal husbandry, forestry, and food science)

790. JUNG Keun-Sik. "Colonial Modernity and the Social History of Chemical Seasoning in Korea." *Korea J.* 45, no. 2 (2005): 9–36.

240. INDIAN CONTEXTS

240-1. GENERAL HISTORIES OF SCIENCE
(includes interdisciplinary topics and biographies of scientists)

791. AZAMI, Altaf Ahmad. (Ed.) *Tibb-i yunani aur Urdu zabān o adab.* (456 pp.; bibl.) New Delhi: Centre for History of Medicine and Science, Jamia Hamdard, 2004.

On the role of Unani medicine and science in the development of Urdu language and literature.

792. RAINA, Dhruv. "Jesuit Collections of Indian Scientific Manuscripts: Ideologies and Interpretations." *Indian J. Hist. Sci.* 42 (2007): 31–45.

793. SRIVATHSA, B. K., and M. A. NARASIMHAN. (Eds.) *Science and Technology in India through*

the Ages. (xxviii + 284 pp.; ill.; bibl.; CD-ROM.) Melkote, India: Academy of Sanskrit Research, 2003.

240-103. MATHEMATICS

794. GUPTA, R. C. "Yantras or Mystic Diagrams: A Wide Area for Study in Ancient and Medieval Indian Mathematics." *Indian J. Hist. Sci.* 42 (2007): 163–204.

795. HAYASHI, Takao. "A Sanskrit Mathematical Anthology." *Sciamaus* 7 (2006): 175–211.

796. KELLER, Agathe. "Making Diagrams Speak, in Bhāskara I's Commentary on the *Āryabhatīya*." *Hist. Math.* 32 (2005): 275–302.

797. MISHRA, Vinod. "Similarity of Plane Figures: A Reflection in Indian Geometry." *Stud. Hist. Med. Sci.* 19 (2003): 95–114.

798. PARAKH, Abhishek. "Āryabhaṭa's Root Extraction Methods." *Indian J. Hist. Sci.* 42 (2007): 149–161.

799. ZHOU Chang and XU Ze-lin. "The Indian mathematician Bhāskara and his work *Līlāvātī*." [Translated title.] In Chinese. *J. Dial. Natur.* 28, no. 1 (2006): 67–73.

Includes a discussion of the content of the 12th-century book as well as its dissemination, based on the translation of English and Japanese versions.

240-110. ASTRONOMY AND COSMOLOGY

800. ABHYANKAR, K. D. "B. G. Tilak and Ancient Indian Astronomy—A Reappraisal." *Indian J. Hist. Sci.* 42 (2007): 223–233.

801. BALACHANDRA RAO, S., and S. K. UMA. "Karaṇakutūhalaṃ of Bhāskarācārya II: An English Translation with Mathematical Explanation, Derivations, Examples, Tables and Diagrams." *Indian J. Hist. Sci.* 42, no. 1 (supplement) (2007): i–xv, S1–S41.

Handbook of Indian astronomy.

802. BALACHANDRA RAO, S., and S. K. UMA. "Karaṇakutūhalaṃ of Bhāskarācārya II: An English Translation with Mathematical Explanation, Derivations, Examples, Tables and Diagrams." *Indian J. Hist. Sci.* 42, no. 2 (supplement) (2007): i–xv, S1–S108.

803. BHASKARACARYA. *Le Siddhantasiromani : l'oeuvre mathématique et astronomique de Bhaskaracarya.* edited by François PATTE. Hautes études orientales, 38. (2 vol.) Geneve: Droz, 2004. ISBN: 2600008950.

Reviews: [ref. R101]

804. DUKE, Dennis. "The Equant in India: The Mathematical Basis of Ancient Indian Planetary Models." *Arch. Hist. Exact Sci.* 59 (2005): 563–576.

805. DUKE, Dennis W. "The Second Lunar Anomaly in Ancient Indian Astronomy." *Arch. Hist. Exact Sci.* 61 (2007): 147–157.

806. HARI, K. Chandra. "Epoch of Lalla—An Overview." *Indian J. Hist. Sci.* 42 (2007): 235–242.
On the dating of Lalla, author of *Śiṣyadhivṛddhida Tantra*, to around 749 A.D.

807. JOGLEKAR, Hrishikesh, Aniket SULE, and M. N. VAHIA. "In Search of Indian Records of Supernovae." *Indian J. Hist. Sci.* 42 (2007): 83–93.

808. PLOFKER, Kim. "The Astrolabe and Spherical Astronomy in Medieval India." *J. Hist. Astron.* 31 (2000): 37–54.

809. RATHNASREE, N., and Sanath KUMAR. "Possible Indian Records of Supernova 1054 AD?" *Indian J. Hist. Sci.* 42 (2007): 95–100.

810. SULE, Aniket, Mayank VAHIA, Hrishikesh JOGLEKAR, and Sudha BHUJLE. "Saptarsi' Visit to Different *Nakṣatras*: Subtle Effect of Earth's Precession." *Indian J. Hist. Sci.* 42 (2007): 133–147.

240-120. EARTH AND ATMOSPHERIC SCIENCES, GENERAL WORKS
(includes meteorology and climatology)

811. DUBEY, R. K. "Souces of Gold in India as Described by Ṭhakkura Pherū—An Assessment." *Indian J. Hist. Sci.* 42 (2007): 1–11.

240-121. GEOGRAPHY; CARTOGRAPHY; EXPLORATION

812. VARADARAJAN, Lotika. (Ed.) *The Rahmani of M. P. Kumhikunhi Malmi of Kavaratti: A Sailing Manual of Lakshadweep*. (xiv + 284 pp.; ill.; bibl.; index.) New Delhi: Manohar, 2004. ISBN: 817304287X.

Concerns the Lakshadweep islands off the coast of India in the Arabian Sea.

Reviews: [ref. R1390]

240-122. NATURAL HISTORY

813. SENSARMA, Priyadarsan. "Ethnobiological Information in *Parāśara Saṃhitā*." *Indian J. Hist. Sci.* 42 (2007): 117–132.

240-150. MEDICAL SCIENCES, GENERAL WORKS
(includes human anatomy and physiology; see also 135-Physical anthropology)

814. AZMI, Altaf Ahmad. *History of Unani Medicine in India*. (viii + 273 pp.; ill.; bibl.; index.) New Delhi: Centre for History of Medicine and Science, Jamia Hamdard, 2004.

Reviews: [ref. R46]

815. AZMI, Altaf Ahmad. "Introduction to 'Ain al-Hayāt, an Arabic Medical Manuscript of the Medieval Period in India." *Stud. Hist. Med. Sci.* 20 (2005): 95–116.

816. AZMI, Altaf Ahmad. "Unani Medicine during Babur's Reign (1526–1530 A.D.)." *Stud. Hist. Med. Sci.* 19 (2003): 1–17.

817. KUMAR, Deepak. "Medical Encounter Concepts and Practices in India: A Historical Outline." *Arch. Int. Hist. Sci.* 55 (2005): 357–366.

818. LANGFORD, Jean. *Fluent Bodies: Ayurvedic Remedies for Postcolonial Imbalance*. Body, Commodity, Text. (x + 311 pp.; ill.; bibl.; index.) Durham: Duke University Press, 2002. ISBN: 082232931X.

Reviews: [ref. R793]

819. MANOHAR, P. Ram. "Smoking and Āyurvedic Medicine in India." In *Smoke*, edited by GILMAN and ZHOU (2004) [ref. 587], 68–75.

820. TIWARI, Lalit, and P. C. PANDE. "Traditional Himalayan System of Medicine and Its Plants in Ayurvedic Texts: With Reference to *Suśruta Saṃhitā*." *Stud. Hist. Med. Sci.* 20 (2005): 45–60.

Comparison between traditional Himalayan medicine to Ayurvedic medicine.

821. YANO, Michio. "Medicine and Divination in India." *EASTM* 24 (2005): 44–61.

240-152. PUBLIC HEALTH; HEALTH; NUTRITION

822. PATI, Biswamoy, and Mark HARRISON. (Eds.) *Health, Medicine and Empire: Perspectives on Colonial India*. New Perspectives in South Asian History, 1. (x + 408 pp.; bibl.; index.) Hyderabad, India: Orient Longman, 2001. ISBN: 8125020179.

Contents: Biswamoy PATI and Mark HARRISON, "Introduction," 1–36; Mark HARRISON, "Medicine and Orientalism: Perspectives on Europe's Encounter with Indian Medical Systems," 37–77; Rosemary FITZGERALD, "'Clinical Christianity': The Emergence of Medical Work as a Missionary Strategy in Colonial India, 1800–1914," 88–136; Waltraud ERNST, "Colonial Lunacy Policies and the Madras Lunatic Asylum in the Early Nineteenth Century," 137–164; James MILLS, "Indians into Asylums: Community Use of the Colonial Medical Institution in British India, 1857–1880," 165–187; Sanjiv KAKAR, "Medical Developments and Patient Unrest in the Leprosy Asylum, 1860 to 1940," 188–216; Sanjoy BHATTACHARYA, "Re-devising Jennerian Vaccines? European Technologies, Indian Innovation, and the Control of Smallpox in South Asia, 1850–1950," 217–269; Biswamoy PATI, "'Ordering' 'Disorder' in a Holy City: Colonial Health Interventions in Puri during the Nineteenth Century," 270–298; Manjiri KAMAT, "'The Palkhi as Plague Carrier': The Pandharpur Fair and the Sanitary Fixation of the Colonial State; British India, 1908–1916," 299–316; Neshat QUAISER, "Politics, Culture, and Colonialism: Unani's Debate with Doctory," 317–355; Anil KUMAR, "The Indian Drug Industry under the Raj, 1860–1920," 356–385.

240-160. TECHNOLOGY, GENERAL WORKS
(includes architecture)

823. CHOPRA, Rohit. "Mediated Visions: Technology and Nationalism in India from the Colonial Era to the Internet Age." *Diss. Abstr. Int.* A 67/09 (2007). Dissertation at Emory University, 2006. Adviser: Patton, Cynthia and Allen Tullos. UMI pub. no. 3234008. 369 pp.

240-163. AGRICULTURE AND RELATED SCIENCES

(includes animal husbandry, forestry, and food science)

824. MAURER, Petra. "'Pferde haben keine Flügel mehr.' Das Kapitel über die Lage der Körperteile eines Pferdes aus einem hippologischen Traktat des Nakula." *Sudhoffs Arch.* 90 (2006): 106–119.

A short history of veterinary medicine in India from Vedic times with a focus on horses.

825. MAZARS, G. "Veterinary Medicine in Ancient and Medieval India." *Stud. Hist. Med. Sci.* 16 (1999/2000): 27–36.

250. JEWISH CONTEXTS

250-1. GENERAL HISTORIES OF SCIENCE

(includes interdisciplinary topics and biographies of scientists)

826. EFRON, Noah J. *Judaism and Science: A Historical Introduction*. Greenwood Guides to Science and Religion. (xx + 348 pp.; ill.; bibl.; index.) Westport, Conn.: Greenwood Press, 2006. ISBN: 0313330530.

827. KELLNER, Menachem. "Introduction." Special issue: "Commemorating the Eight Hundredth Anniversary of Maimonides' Death." *Jewish Hist.* 18 (2004): 125–128.

Contents: Kenneth SEESKIN, "Maimonides' Sense of History," 129–145; Y. Tzvi LANGERMANN, "Maimonides and Miracles: The Growth of a (Dis)belief," 147–172; Gerald J. BLIDSTEIN, "The 'Other' in Maimonidean Law," 173–195; Moshe IDEL, "Maimonides' 'Guide to the Perplexed' and the Kabbalah," 197–226.

828. MÉTRAUX, Alexandre. "Opening Remarks on the History of Science in Yiddish." Lead article in a special issue: "Science in Yiddish." *Sci. Context* 20 (2007): 145–162.

Contents: Irene E. ZWIEP, "Adding the Reader's Voice: Early-Modern Ashkenazi Grammars of Hebrew," 163–195; David SHNEER, "A Study in Red: Jewish Scholarship in the 1920s Soviet Union," 197–213; Gennady ESTRAIKH, "Jacob Lestschinsky: A Yiddishist Dreamer and Social Scientist," 215–237 [ref. 3252]; Deborah YALEN, "'On the Social-Economic Front': The Polemics of Shtetl Research during the Stalin Revolution," 239–301 [ref. 2927]; Shlomo BERGER, "Interpreting Freud: The Yiddish Philosophical Journal *Davke* Investigates a Jewish Icon," 303–316 [ref. 3220]; Roland GRUSCHKA, "Tuvia Schalit's *Di spetsyele relativitets-teorye* of 1927 and Other Introductions to the Theory of Relativity in Yiddish," 317–339 [ref. 2984].

250-3. SOURCES OF INFORMATION

(includes bibliographies, electronic sources, and works on libraries, archives, and museums)

829. SELA, Shlomo, and Gad FREUDENTHAL. "Abraham Ibn Ezra's Scholarly Writings: A Chronological Listing." *Aleph* 6 (2006): 13–55.

250-28. SCIENCE AND RELIGION

830. GÓMEZ ARANDA, Mariano. "The Meaning of Qohelet According to Ibn Ezra's Scientific Explanations." *Aleph* 6 (2006): 339–370.

250-103. MATHEMATICS

831. LÉVY, Tony, and Charles BURNETT. "Sefer ha-Middot: A Mid-Twelfth-Century Text on Arithmetic and Geometry Attributed to Abraham Ibn Ezra." *Aleph* 6 (2006): 57–238.

Includes transcriptions of the Hebrew and Latin manuscript versions as well as an English translation and commentary.

250-111. ASTROLOGY

832. SMITHUIS, Renate. "Abraham Ibn Ezra's Astrological Works in Hebrew and Latin: New Discoveries and Exhaustive Listing." *Aleph* 6 (2006): 239–338.

250-120. EARTH AND ATMOSPHERIC SCIENCES, GENERAL WORKS

(includes meteorology and climatology)

833. TWIDALE, C. Rowl. "Jean-Henri Hassenfratz, Corestone Boulders and the Two-Stage or Etch Concept of Landform Development." *Earth Sci. Hist.* 25 (2006): 107–115.

250-133. HEREDITY; GENETICS; EVOLUTION

(for genetic engineering, see 134-Microbiology)

834. PASSMORE, Ashley Alexandra. "Blut unserer Vaeter: Evolutionary Theory and Austrian-Jewish Literature of 1900." *Diss. Abstr. Int.* A 68/02 (2007).

Dissertation at The University of Chicago, 2007. Advisor: Gilman, Sander L. Pub. no. AAT 3252244. 284 pp. Focuses on the works of Karl Emil Franzos, Richard Beer-Hofmann, and Theodor Herzl who "examined the dilemmas of Jewish cultural inheritance within the rubric of Darwinian evolution" from 1860 to 1900. (from the abstract)

250-137. PSYCHOLOGY; COMPARATIVE PSYCHOLOGY

(includes sociobiology, animal behavior, evolutionary psychology; for clinical psychology, see also 151-Psychiatry)

835. SLAVET, Eliza Farro. "Freud's 'Moses': Memory Material and Immaterial." *Diss. Abstr. Int.* A 68/02 (2007).

Dissertation at University of California, San Diego, 2007. Adviser: Henaff, Marcel. Pub. no. AAT 3252818. 341 pp. "I consider *Moses and Monotheism* as a serious work in which Freud proposes a theory of Jewishness—what it is, how it is transmitted, and how it continues to survive." (from the abstract)

250-150. MEDICAL SCIENCES, GENERAL WORKS (includes human anatomy and physiology; see also 135-Physical anthropology)

836. CABALLERO-NAVAS, Carmen. (Ed.) *The Book of Women's Love and Jewish Medieval Medical Literature on Women: Sefer ahavat nashim*. Translated and edited by Carmen CABALLERO-NAVAS. Kegan Paul Library of Jewish Studies. (314 pp.; bibl.; index.) New York: Kegan Paul, 2004. ISBN: 0710307586.

Reviews: [ref. R195]

837. MAIMONIDES, Moses. *Maimonides on Asthma: A Parallel Arabic-English Text*. Edited, translated, and annotated by Gerrit BOS. Complete Medical Works of Moses Maimonides, 1. (165 pp.; bibl.; index.) Provo, Utah: Brigham Young University Press, 2002. ISBN: 0842524754.

Reviews: [ref. 841]

838. MAIMONIDES, Moses. *Medical Aphorisms, Treatises 1–5: A Parallel Arabic-English Edition*. Edited, translated, and annotated by Gerrit BOS. Complete Medical Works of Moses Maimonides. (xxxii + 156 pp.; bibl.; index.) Provo, Utah: Brigham Young University Press, 2004. ISBN: 0934893756.

Reviews: [ref. 842]

839. MYERS, David N. "Introduction: Reflections on the Discourse of the Body in Jewish Studies." Special issue: "Overcoming Matter?" *Jewish Quart. Rev.* 95 (2005): v–vi.

Contributors include: Leon WIESELTIER, Daniel BOYARIN, Barbara KIRSHENBLATT-GIMBLETT, Charlotte Elisheva FONROBERT, Sharon GILLERMAN, Elliot R. WOLFSON, and Galit HASAN-ROKEM

840. POPOVIĆ, Mladen. *Reading the Human Body: Physiognomics and Astrology in the Dead Sea Scrolls and Hellenistic–Early Roman Period Judaism*. Studies on the Texts of the Desert of Judah, 67. (xx + 346 pp.; bibl.; index.) Leiden; Boston: Brill, 2007. ISBN: 9789004157170.

841. ZONTA, Mauro. Essay review. *Aestimatio* 1 (2004): 13–18.

Available at http://www.ircps.org/publications/aestimatio/pdf/2004-01-03_Zonta.pdf. Essay review of Moses MAIMONIDES, *Maimonides on Asthma* (2002) [ref. 837].

842. ZONTA, Mauro. Essay review. *Aestimatio* 2 (2005): 1–6.

Available at http://www.ircps.org/publications/aestimatio/pdf/2005-01-01_Zonta.pdf. Essay review of Moses MAIMONIDES, *Medical Aphorisms, Treatises 1–5* (2004) [ref. 838].

250-151. PSYCHIATRY; MEDICAL PSYCHOLOGY
(see also 136-Neurosciences and 137-Psychology)

843. SHOHAM-STEINER, Ephraim. "The Humble Sage and the Wandering Madman: Madness and Madmen in an Exemplum from *Sefer Ḥasidim*." *Jewish Quart. Rev.* 96 (2006): 38–49.

260. NATIVE AMERICAN CONTEXTS

260-1. GENERAL HISTORIES OF SCIENCE
(includes interdisciplinary topics and biographies of scientists)

844. CRUIKSHANK, Julie. *Do Glaciers Listen? Local Knowledge, Colonial Encounters, and Social Imagination*. Brenda and David McLean Canadian Studies Series. (xii + 312 pp.; ill.; maps; bibl.; index.) Vancouver: University of British Columbia Press, 2005. ISBN: 0295985135.

Discusses the contrasting understandings of nature by aboriginal peoples and Europeans in north-western North America during the 18th and 19th centuries.

Reviews: [ref. R292]

845. SAFIER, Neil. "'...to Collect and Abridge ... without Changing Anything Essential': Rewriting

Incan History at the Parisian Jardin du Roi." *Book Hist.* 7 (2004): 63–96.

260-110. ASTRONOMY AND COSMOLOGY

846. CHAPPELL, Sally Anderson. *Cahokia: Mirror of the Cosmos*. (xviii + 218 pp.; ill.; bibl.; index.) Chicago: University of Chicago Press, 2002. ISBN: 0226101363.

On the ancient Native American mound located near the Mississippi River in Illinois.

Reviews: [ref. R234]

847. HASSIG, Ross. *Time, History and Belief in Aztec and Colonial Mexico*. (xv + 220 pp.; ill.; bibl.; index.) Austin, TX: University of Texas Press, 2001. ISBN: 0292731396.

Deals with Aztec calendar-making, their use, and the concept of time.

848. KING, Timothy David. "The Constellation System of the Ancient Maya." *Diss. Abstr. Int. A* 66/11 (2006): 4071.

Dissertation at Stanford University, 2005. Adviser: Fox, James A. UMI pub. no. 3197454. 189 pp.

849. VILLALOBOS, Gerardo Aldana y. *The Apotheosis of Janaab' Pakal: Science, History, and Religion at Classic Maya Palenque*. Mesoamerican Worlds. (xxxiv + 230 pp.; ill.; index.) Boulder: University Press of Colorado, 2007. ISBN: 087081866X.

Exploration of classical Mayan astronomical culture.

260-122. NATURAL HISTORY

850. REEVES, Henry M. "Saḡagún's 'Florentine Codex,' A Little Known Aztec Natural History of the Valley of Mexico." *Arch. Natur. Hist.* 33 (2006): 302–321.

260-123. ECOLOGY; ENVIRONMENTAL SCIENCES
(includes conservation, natural resource management, and environmental history; for forestry, see 163-Agriculture)

851. NADASDY, Paul. "Transcending the Debate over the Ecologically Noble Indian: Indigenous Peoples and Environmentalism." *Ethnohist.* 52 (2005): 291–331.

852. THRUSH, Coll. "City of the Changers: Indigenous People and the Transformation of Seattle's Watersheds." Forum: "Water and West Coast Cities" [ref. 3626]. *Pacific Hist. Rev.* 75 (2006): 89–117.

260-131. BOTANY

(includes plant sciences)

853. GREENE, William Alexander. "Extracting Tradition: Nature, Culture, and Power in the Ethnobotany of Belize." *Diss. Abstr. Int. A* 67/02 (2006): 612.

Dissertation at University of California, Davis, 2005. Adviser: Smith, Carol A. UMI pub. no. 3203569. 297 pp. On past and present botanical healing traditions; includes a chapter on European imperialism and a discussion on intellectual property rights.

260-144. LINGUISTICS

854. QUISPE-AGNOLI, Rocío. "Cuando Occidente y los Andes se encuentran: *Qellqay*, escritura alfabética, y *tohkapu* en el siglo XVI." *Col. Latin Amer. Rev.* 14 (2005): 263–298.

260-150. MEDICAL SCIENCES, GENERAL WORKS
(includes human anatomy and physiology; see also 135-Physical anthropology)

855. BEGAY, R. Cruz. "Changes in Childbirth Knowledge." *Amer. Ind. Quart.* 28 (2004): 550–565.

856. KELM, Mary Ellen. "Diagnosing the Discursive Indian: Medicine, Gender, and the 'Dying Race.'" *Ethnohist.* 52 (2005): 371–406.

857. LOZOYA, Xavier. "Natural History and Herbal Medicine in Sixteenth-Century America." In *Science in Latin America*, by SALDAÑA (2006) [ref. 33], 29–50.

858. ROBINSON, Martha. "New Worlds, New Medicines: Indian Remedies and English Medicine in Early America." *Early Amer. Stud.* 3 (2005): 94–110.

859. ROBINSON, Martha K. "'They Decrease in Numbers Daily': English and Colonial Perceptions of Indian Disease in Early America." *Diss. Abstr. Int. A* 66/11 (2006): 4160.

Dissertation at University of Southern California, 2005. Adviser: Mancall, Peter C. UMI pub. no. 3196883. 262 pp.

260-160. TECHNOLOGY, GENERAL WORKS
(includes architecture)

860. CUREWITZ, Diane C. "Changing Ceramic Technology at Tyuonyi, New Mexico." *Kiva* 70 (2004): 69–88.

861. GORDON, R., and R. KNOPF. "Metallurgy of Bronze Used in Tools from Machu Picchu, Peru." *Archaeometry* 48 (2006): 57–76.

862. THOMAS, J. E., D. L. KIRNER, R. BURKY, K. SELSOR, R. E. TAYLOR, and J. R. SOUTON. "Documentary, Archaeological, and Radiocarbon Evidence of Prehistoric and Protohistoric Petroleum Production in Pennsylvania." *Oil-Indust. Hist.* 3 (2002): 19–33.

260-163. AGRICULTURE AND RELATED SCIENCES

(includes animal husbandry, forestry, and food science)

863. WALL, Dennis, and Virgil MASAYESVA. "People of the Corn: Teachings in Hopi Traditional Agriculture, Spirituality, and Sustainability." *Amer. Ind. Quart.* 28 (2004): 435–453.

270. AFRICAN CONTEXTS

270-1. GENERAL HISTORIES OF SCIENCE

(includes interdisciplinary topics and biographies of scientists)

864. DUBOW, Saul. *A Commonwealth of Knowledge: Science, Sensibility, and White South Africa, 1820–2000.* (viii + 296 pp.; ill.; bibl.; index.) Oxford: Oxford University Press, 2006. ISBN: 0199296634.

"Hinges on the tension between colonial knowledge, conceived of as a universal, modernizing force, and its realization in the context of a society divided along complex ethnic and racial fault-lines." (from the publisher)

270-103. MATHEMATICS

865. GERDES, Paulus. *Sona Geometry from Angola: Mathematics of an African Tradition.* (232 pp.; ill.; bibl.) Monza: Polimettrica, 2006. ISBN: 8876990550.

270-123. ECOLOGY; ENVIRONMENTAL SCIENCES
(includes conservation, natural resource management, and environmental history; for forestry, see 163-Agriculture)

866. WALKER, Alan. "Foreword." Special issue: "Lake Rudolf (Turkana) as Colonial Icon in East Africa." *Ethnohist.* 53 (2006): 1–2.

Lead article. Contents: Mustafa Kemal MIRZELER, "Guest Editor's Prelude," 3–11; Pascal James IMPERATO, "Lake Rudolf as an Iconic Geographic Space in East Africa," 13–33; Francis H. BROWN, Meave G. LEAKEY and John M. HARRIS, "A Brief History of Research at Koobi Fora, Northern Kenya," 35–69; Lawrence H. ROBBINS, "Lake Turkana Archaeology: The Holocene," 71–93; Robert O. COLLINS, "The Turkana Patrol of 1918 Reconsidered," 95–119; Michael N. I. LOKURUKA and Pauline A. LOKURUKA, "Ramifications of the 1918 Turkana Patrol: Narratives by Ng-turkana," 121–141; James BARBER, "The Moving Frontier of British Imperialism in the Lake Rudolf Region, 1890-1919," 143–172; Aneesa KASSAM, "The People of the Five 'Drums': Gabra Ethnohistorical Origins," 173–193; Mustafa Kemal MIRZELER, "The Embodiment of the Voyage of Sir Vivian Fuchs to the South Island in the Elmololo Oral Tradition," 195–219.

270-150. MEDICAL SCIENCES, GENERAL WORKS
(includes human anatomy and physiology; see also 135-Physical anthropology)

867. FLINT, Karen. "Competition, Race, and Professionalization: African Healers and White Medical Practitioners in Natal, South Africa in the Early Twentieth Century." *Soc. Hist. Med.* 14 (2001): 199–221.

868. NAUTA, Lauren. "Medical Development in Colonial India: Seasonality, Specialization, and Efficacy in the Punjab Plains, 1870–1930." *Diss. Abstr. Int. A* 67/03 (2006).

Dissertation at the University of Pennsylvania, 2006. Advisers: Feerman, Steven and David Ludden. UMI pub. no. 3211119. 567 pp.

869. RASMUSSEN, Susan J. *Those Who Touch: Tuareg Medicine Women in Anthropological Perspective.* (xii + 234 pp.; ill.; maps; bibl.; index.) DeKalb: Northern Illinois University Press, 2006. ISBN: 0875806104.

On the North-African women who practice herbal medicine.

Reviews: [ref. R1117]

270-151. PSYCHIATRY; MEDICAL PSYCHOLOGY
(*see also 136-Neurosciences and 137-Psychology*)

870. JACKSON, Lynette. *Surfacing Up: Psychiatry and Social Order in Colonial Zimbabwe, 1908-1968*. Cornell Studies in the History of Psychiatry. (xiii + 230 pp.; ill.; bibl.; index.) Ithaca, NY: Cornell University Press, 2005. ISBN: 0801443105.
Reviews: [ref. R680]

270-153. PHARMACY
(*includes pharmaceuticals and illicit drugs*)

871. DIGBY, Anne. "Self-Medication and the Trade in Medicine within a Multi-Ethnic Context: A Case Study of South Africa from the Mid-Nineteenth to Mid-Twentieth Centuries." *Soc. Hist. Med.* 18 (2005): 439-457.

270-160. TECHNOLOGY, GENERAL WORKS
(*includes architecture*)

872. ALPERN, Stanley B. "Did They or Didn't They Invent It? Iron in Sub-Saharan Africa." *Hist. Africa* 32 (2005): 41-94.

873. KRIGER, Colleen E. *Cloth in West African History*. The African Archaeology Series. (xviii + 214 pp.; ill.; maps; bibl.; index.) Lanham: AltaMira Press, 2006. ISBN: 0759104212.

270-163. AGRICULTURE AND RELATED SCIENCES
(*includes animal husbandry, forestry, and food science*)

874. ALLEN, William E. "Historical Methodology and Writing the Liberian Past: The Case of Agriculture in the Nineteenth Century." *Hist. Africa* 32 (2005): 21-39.

G. Chronological Classification

300. PREHISTORY AND EARLY HUMAN SOCIETIES

300-23. SCIENCE AND LITERATURE; SCIENCE AND ART

(includes drama and performing arts)

875. PAPAODYSEUS, C. et al. "Distinct, Late Bronze Age (c. 1650 BC) Wall-Paintings from Akrotiri, Thera, Comprising Advanced Geometrical Patterns." *Archaeometry* 48 (2006): 97–114.

300-103. MATHEMATICS

876. HØYRUP, Jens. "Geometrical Patterns in the Pre-Classical Greek Area: Prospecting the Borderland between Decoration, Art and Structural Inquiry." *Rev. Hist. Math.* 6 (2000): 5–58.

Questions the notion that geometric decoration in prehistoric art is directly linked to developments in mathematical geometry.

300-110. ASTRONOMY AND COSMOLOGY

877. CHAMBERLAIN, Von Del, John B. CARLSON, and M. Jane YOUNG. (Eds.) *Songs from the Sky: Indigenous Astronomical and Cosmological Traditions of the World*. Selected proceedings of the "First International Conference on Ethnoastronomy: Indigenous Astronomical and Cosmological Traditions of the World" held at the Smithsonian Institution, Washington D.C., 5-9 September 1983. *Archaeoastronomy*, 12 and 13. (xiv + 379 pp.; ill.; bibl.) Bognor Regis: Ocarina Books, 2005. ISBN: 0954086724.

This publication serves as volumes 12 and 13 of the journal *Archaeoastronomy: The Journal of Astronomy in Culture* (ISSN: 0190-9940).

Reviews: [ref. R229]

878. GONZÁLEZ-GARCÍA, A. César, and Lourdes COSTA-FERRER. "Orientations of TRB-West Megalithic Monuments." *J. Hist. Astron.* 37 (2006): 417–427.

879. KELLEY, David H., and E. F. MILONE. *Exploring Ancient Skies: An Encyclopedic Survey of Archaeoastronomy*. (xxv + 612 pp.; ill.; bibl.; index.) New York: Springer, 2005. ISBN: 0387953108.

Reviews: [ref. R718]

880. KÜNZL, Ernst. *Himmelsgloben und Sternkarten: Astronomie und Astrologie in Vorzeit und Altertum*. (127 pp.; ill.; bibl.; index.) Stuttgart: Theiss, 2005. ISBN: 3806218595.

Reviews: [ref. R783]

300-113. CHEMISTRY

881. LAMBERT, Josph B. "The Deep History of Chemistry." *Bull. Hist. Chem.* 30 (2005): 1–9.

Discusses the use of chemical reactions by preliterate societies.

300-160. TECHNOLOGY, GENERAL WORKS (includes architecture)

882. KRISHNAN, K., I. C. FREESTONE, and A. P. MIDDLETON. "The Technology of 'Glazed' Reserved Slip Ware: A Fine Ceramic of the Harappan Period." *Archaeometry* 47 (2005): 691–703.

883. MARITAN, L., C. MAZZOLI, V. MICHIELIN, D. MORANDI BONACOSSO, M. LUCIANI, and G. MOLIN. "The Provenance and Production Technology of Bronze Age and Iron Age Pottery from Tell Mishrifeh/Qatna (Syria)." *Archaeometry* 47 (2005): 723–744.

311. ANCIENT NEAR EASTERN CONTEXTS

311-101. OCCULT SCIENCES; MAGIC

(includes scientific anomalies; see also 111-Astrology and 114-Alchemy)

884. ABUSCH, Tzvi. *Mesopotamian Witchcraft: Toward a History and Understanding of Babylonian Witchcraft Beliefs and Literature*. Studies in Ancient Magic and Divination, 5. (xvi + 314 pp.; bibl.; index.) Leiden: Brill Styx, 2002. ISBN: 9004123873.

311-102. HISTORY OF PHILOSOPHY; HISTORY OF IDEAS

(includes history of philosophy of science)

885. HABASHI, Fathi. "Zoroaster and the Theory of Four Elements." *Bull. Hist. Chem.* 25 (2000): 109–115.

886. HANNAH, Robert. Essay review. *Aestimatio* 1 (2004): 131–137.

Available at http://www.ircps.org/publications/aestimatio/pdf/2004-12-03_Hannah.pdf. Essay review of Jean BOTTÉRO, Clarisse HERRENSCHMIDT, and Jean Pierre VERNANT, *Ancestor of the West* (2000).

311-103. MATHEMATICS

887. IMHAUSEN, Annette. "Egyptian Mathematical Texts and Their Contexts." *Sci. Context* 16 (2003): 367–389.

888. MUROI, Kazou. "Quadratic Equations in the Susa Mathematical Text No. 21." *Sciamvs* 1 (2000): 3–10.

889. PROUST, Christine. "La multiplication babylonienne : la part non écrite du calcul." *Rev. Hist. Math.* 6 (2000): 293–303.

Explores how errors in calculations with numbers of more than five sexagesimal places might reveal the use of some kind of a counting instrument based on the five digits of a person's hand.

890. ROBSON, Eleanor. Essay review. *Aestimatio* 1 (2004): 73–79.

Available at http://www.ircps.org/publications/aestimatio/pdf/2004-04-01_

Robson.pdf. Essay review of Annette IMHAUSEN, *Ägyptische Algorithmen* (2003).

891. ROBSON, Eleanor. "Mathematical Cuneiform Tablets in Philadelphia Part 1: Problems and Calculations." *Sciamvs* 1 (2000): 11–48.

892. STEELE, John M. Essay review. *Aestimatio* 1 (2004): 1–4.

Available at http://www.ircps.org/publications/aestimatio/pdf/2004-01-01_Steele.pdf. Essay review of Jens HØYRUP, *Lengths, Widths, Surfaces* (2002).

893. SYMONS, Sarah. Essay review. *Aestimatio* 2 (2005): 11–15.

Available at http://www.ircps.org/publications/aestimatio/pdf/2005-02-01_Symons.pdf. Essay review of Corinna ROSSI, *Architecture and Mathematics in Ancient Egypt* (2004).

311-110. ASTRONOMY AND COSMOLOGY

894. BELMONTE, Juan Antonio. "Egyptian Astronomy." *J. Hist. Astron.* 37 (2006): 356–359.

Essay review of José LULL, *La astronomía en el Antiguo Egipto* (2005) [ref. 901].

895. BRITTON, John P., and Alexander JONES. "A New Babylonian Planetary Model in a Greek Source." *Arch. Hist. Exact Sci.* 54 (2000): 349–373.

896. BRITTON, John P. "Studies in Babylonian Lunar Theory: Part I. Empirical Elements for Modeling Lunar and Solar Anomalies." *Arch. Hist. Exact Sci.* 61 (2007): 83–145.

897. GOLDSTEIN, Bernard R. Essay review. *Aestimatio* 1 (2004): 122–125.

Available at http://www.ircps.org/publications/aestimatio/pdf/2004-12-01_Goldstein.pdf. Essay review of Peter J. HUBER and Salvo DE MEIS, *Babylonian Eclipse Observations from 750 BC to 1 BC* (2004) [ref. 898].

898. HUBER, Peter J., and Salvo DE MEIS. *Babylonian Eclipse Observations from 750 BC to 1 BC*. (v + 291 pp.; ill.; bibl.) Milano: Mimesis, 2004. ISBN: 8884832136.

Reviews: [ref. 897]

899. JONES, Alexander. "A Study of Babylonian Observations of Planets Near Normal Stars." *Arch. Hist. Exact Sci.* 58 (2004): 475–536.

900. LULL, José, and Juan Antonio BELMONTE. "A Firmament above Thebes: Uncovering the Constellations of Ancient Egyptians." *J. Hist. Astron.* 37 (2006): 373–392.

901. LULL, José. *La astronomía en el Antiguo Egipto*. (372 pp.; ill.; bibl.) Valencia: Universitat de València, 2005. ISBN: 8437060494.

Reviews: [ref. 894]

902. MERCIER, Raymond. "The Standard Scheme of the Moon and Its Mean Quantities." *Arch. Hist. Exact Sci.* 61 (2007): 255–272.

Looks at the interface between Greek and Babylonian astronomical systems.

903. REINER, Erica. *Babylonian Planetary Omens: Part IV*. In collaboration with David PINGREE. Cuneiform Monographs, 30. (x + 217 pp.; ill.; bibl.) Leiden: Brill-Styx, 2005. ISBN: 9004142126.

Edition with commentary on first-millennium BC Babylonian cuneiform texts dealing with the appearance and movements of the planet Jupiter.

Reviews: [ref. R1123]

904. ROUGHTON, N. A., J. M. STEELE, and C. B. F. WALKER. "A Late Babylonian Normal and Ziqpu Star Text." *Arch. Hist. Exact Sci.* 58 (2004): 537–572.

905. SCHAEFER, Bradley E. "The Heliacal Rise of Sirius and Ancient Egyptian Chronology." *J. Hist. Astron.* 31 (2000): 149–155.

906. STEELE, J. M. "Celestial Measurement in Babylonian Astronomy." *Ann. Sci.* 64 (2007): 293–325.

Looks at two kinds of measurements recorded in these texts: distances of the Moon or a planet from a reference star and measurements of the position of celestial bodies within a sign of the zodiac

907. STEELE, John M. "Eclipse Prediction in Mesopotamia." *Arch. Hist. Exact Sci.* 54 (2000): 421–454.

908. TANG Quan. "The algorithm for finding lunar latitude in ancient Babylon." [Translated title.] In Chinese. *J. Dial. Natur.* 27, no. 3 (2005): 91–97.

311-111. ASTROLOGY

909. HUNGER, Hermann. Essay review. *Aestimatio* 1 (2004): 163–166.

Available at http://www.ircps.org/publications/aestimatio/pdf/2004-12-06_Hunger.pdf. Essay review of Francesca ROCHBERG, *The Heavenly Writing* (2004).

910. JONES, Alexander. "Astral Sciences in Mesopotamia." *J. Hist. Astron.* 37 (2006): 353–356. Essay review of Francesca ROCHBERG, *The Heavenly Writing* (2004).

311-132. ZOOLOGY

(includes animal anatomy and physiology; for primatology, see 135-Physical anthropology)

911. SCHNEIDER, Horst. "Das Ibis-Kapitel im Physiologus." *Vigiliae Christianae* 56 (2002): 151–164.

311-150. MEDICAL SCIENCES, GENERAL WORKS (includes human anatomy and physiology; see also 135-Physical anthropology)

912. FINKEL, Irving L., and Markham J. GELLER. (Eds.) *Disease in Babylonia*. Cuneiform Monographs, 36. (viii + 226 pp.; bibl.; index.) Leiden; Boston: Brill, 2007. ISBN: 9004124012.

Contents (from WorldCat): Marten STOL, "Fever in Babylonia," 1–39; Nathan WASSERMANN, "Between Magic and Medicine—Apropos of an Old Babylonian Therapeutic Text against the Kurarum Disease," 40–61; J. V. Kinnier WILSON, "Infantile and Childhood Convulsions and SA.GIG XXIX," 62–66; J. V. Kinnier WILSON and E. H. REYNOLDS, "On Stroke and Facial Palsy in Babylonian Texts," 67–99; Volkert HAAS, "Hittite Rituals against Threats and Other Diseases and Their Relationship to the Mesopotamian Traditions," 100–119; Nils P. HEESSEL, "The Hands of the Gods: Disease Names, and Divine Anger," 120–130; Hector AVALOS, "Epilepsy in Mesopotamia Reconsidered," 131–136; Walter FARBER, "Lamastu—Agent of a Specific Disease

or a Generic Destroyer of Health?" 137-145; Tzvi ABUSCH, "Witchcraft, Impotence, and Indigestion," 146-159; Theodore KWASMAN, "The Demon of the Roof," 160-186; Markham J. GELLER, "Phlegm and Breath—Babylonian Contributions to Hippocratic Medicine," 187-199; John M. RIDDLE, "Women's Medicines in Ancient Jewish Sources: Fertility Enhancers and Inhibitors," 200-214; Ellis DOUEK, "Ancient and Contemporary Management in a Disease of Unknown Aetiology," 215-226.

913. FISCHER-ELFERT, Hans-Werner. (Ed.) *Papyrus Ebers und die antike Heilkunde*. Akten der Tagung vom 15.–16. 3. 2002 in der Albertina/UB der Universität Leipzig. Philippika, 7. (147 pp.; ill.; bibl.) Wiesbaden: Harrassowitz, 2005. ISBN: 3447052090.

Contents: Hans-Werner FISCHER-ELFERT, "Einleitung," 7-10; Gundolf KEIL, "Der Papyrus Ebers und die Medizin des Abendlandes," 11-40; Christian LEITZ, "Die Rolle von Religion und Naturbeobachtung bei der Auswahl der Drogen im Papyrus Ebers," 41-62; Joachim F. QUACK, "Tabuisierte und ausgegrenzte Kranke nach dem 'Buch vom Tempel,'" 63-80; Joachim STEPHAN, "Medizinschulen im Alten Ägypten und der Einfluß ihrer Lehren auf die griechische Medizin," 81-102; Eugen STROUHAL, "Evidence of Some Rare Pathologies from the New Kingdom Necropolis at Saqqara," 103-120; Ulrich WESER, "Biochemische Grundlagen für den Gebrauch von Kupfer, Eisen und Blei in der altägyptischen Medizin zur Zeit des Papyrus Ebers," 121-132; Hans-Werner FISCHER-ELFERT, "Pap. Ebers Nr. 1-3 – Reflexionen eines altägyptischen Heilers über seine Initiation?" 133-148.

Reviews: [ref. R433]

914. SCURLOCK, JoAnn. *Magico-Medical Means of Treating Ghost-Induced Illnesses in Ancient Mesopotamia*. Studies in Ancient Magic and Divination, 3. (xi + 788 pp.; bibl.; index.) Leiden; Boston: Brill, 2006. ISBN: 9004123970.

915. STOL, Marten. *Birth in Babylonia and the Bible: Its Mediterranean Setting*. With a chapter by F. A. M. WIGGERMANN. (x + 276 pp.; ill.; bibl.; index.) Groningen: Styx, 2000. ISBN: 9072371895.

This is a fully re-worked edition of a 1983 publication written in Dutch.

311-153. PHARMACY

(includes pharmaceuticals and illicit drugs)

916. WILSON, James Kinnier. "Notes on the Assyrian Pharmaceutical Series Uru.an.na: *Mašakal*." *J. Near East. Stud.* 64 (2005): 45-51.

312. ANCIENT GREEK AND ROMAN CONTEXTS

312-1. GENERAL HISTORIES OF SCIENCE

(includes interdisciplinary topics and biographies of scientists)

917. BEAGON, Mary. Essay review. *Aestimatio* 3 (2006): 32-38.

Available at http://www.ircps.org/publications/aestimatio/pdf/2006-02-02_

Beagon.pdf. Essay review of Trevor MURPHY, *Pliny the Elder's Natural History* (2004) [ref. 924].

918. FALCON, Andrea. *Aristotle and the Science of Nature: Unity without Uniformity*. (xvii + 139 pp.; bibl.; index.) Cambridge: Cambridge University Press, 2005. ISBN: 0521854393.

Chapter titles: "The Unity, Structure, and Boundaries of Aristotle's Science of Nature"; "Bodies"; "Motions"; and "The Limits of Aristotle's Science of Nature."

Reviews: [ref. R408]

919. GOUREVITCH, Danielle. "Mirko D. Grmek et les études anciennes." Part of a special issue in honor of the late Mirko D. Grmek [ref. 91]. *Hist. Phil. Life Sci.* 23 (2001): 29-37.

920. GRAHAM, Daniel W. Essay review. *Aestimatio* 1 (2004): 80-85.

Available at http://www.ircps.org/publications/aestimatio/pdf/2004-05-01_Graham.pdf. Essay review of Miroslav MARCOVICH, *Heraclitus* (2002) [ref. 923].

921. GRAHAM, Daniel W. *Explaining the Cosmos: The Ionian Tradition of Scientific Philosophy*. (xiii + 344 pp.; bibl.; index.) Princeton, N.J.: Princeton University Press, 2006. ISBN: 0691125406.

Reviews: [ref. R524]

922. LAUTNER, Peter. Essay review. *Aestimatio* 2 (2005): 163-168.

Available at http://www.ircps.org/publications/aestimatio/pdf/2005-12-03_Lautner.pdf. Essay review of Christoph RIEDWEG, *Pythagoras* (2005).

923. MARCOVICH, Miroslav. *Heraclitus: Greek Text with a Short Commentary*. Second edition. International Pre-Platonic Studies, 2. (xxvi + 680 pp.; bibl.; index.) Sankt Augustin, Germany: Academia, 2002. ISBN: 3896651714.

First edition published in 1967.

Reviews: [ref. 920]

924. MURPHY, Trevor. *Pliny the Elder's Natural History: The Empire in the Encyclopedia*. (233 pp.; bibl.; index.) Oxford; New York: Oxford University Press, 2004. ISBN: 0199262888.

Reviews: [ref. 917]

925. YAN Bing. "Aristotle and the end of Greek science." [Translated title.] In Chinese. *J. Dial. Natur.* 27, no. 1 (2005): 47-52.

312-3. SOURCES OF INFORMATION

(includes bibliographies, electronic sources, and works on libraries, archives, and museums)

926. RIHLL, Tracey E. Essay review. *Aestimatio* 1 (2004): 44-50.

Available at http://www.ircps.org/publications/aestimatio/pdf/2004-03-01_Rihll.pdf. Essay review of Georgia L. IRBY-MASSIE and Paul T. KEYSER, *Greek Science of the Hellenistic Era* (2002).

312-22. SCIENCE AND POLITICS; SCIENCE AND LAW; SCIENCE AND ECONOMICS

(includes *science policy, patronage, international relations*)

- 927.** LEHOUX, Daryn. "Laws of Nature and Natural Laws." *Stud. Hist. Phil. Sci.* 37 (2006): 527–549.

Studies the intersections of nature and law as a political form in antiquity.

312-23. SCIENCE AND LITERATURE; SCIENCE AND ART

(includes *drama and performing arts*)

- 928.** CLAY, Jenny Strauss. *Hesiod's Cosmos*. (xii + 202 pp.; index; bibl.) Cambridge, U.K.; New York: Cambridge University Press, 2003. ISBN: 0521823927.

Explores Hesiod's cosmos as revealed in his two poems, *Theogony* and *Works and Days*, embracing the human and divine cosmos.

Reviews: [ref. 930]

- 929.** KOSAK, Jennifer Clarke. *Heroic Measures: Hippocratic Medicine in the Making of Euripidean Tragedy*. Studies in Ancient Medicine, 30. (x + 229 pp.; bibl.; index.) Leiden; Boston: Brill, 2004. ISBN: 9004139931.

- 930.** REYNOLDS, Joshua J. Essay review. *Aestimatio* 2 (2005): 16–23.

Available at http://www.ircps.org/publications/aestimatio/pdf/2005-02-02_Reynolds.pdf. Essay review of Jenny Strauss CLAY, *Hesiod's Cosmos* (2003) [ref. 928].

- 931.** RUSSO, Ruth. "The Heart of Steel: A Metallurgical Interpretation of Iron in Homer." *Bull. Hist. Chem.* 30 (2005): 23–29.

312-27. SCIENCE AND GENDER

(for *women scientists, look also under specific topics and time periods*)

- 932.** WIANS, William. Essay review. *Aestimatio* 2 (2005): 42–48.

Available at http://www.ircps.org/publications/aestimatio/pdf/2005-04-02_Wians.pdf. Essay review of Robert MAYHEW, *The Female in Aristotle's Biology* (2004).

312-28. SCIENCE AND RELIGION

- 933.** BOUSTAN, Raʿanan S., and Annette Yoshiko REED. (Eds.) *Heavenly Realms and Earthly Realities in Late Antique Religions*. (xiii + 335 pp.; bibl.; index.) Cambridge, U.K.; New York: Cambridge University Press, 2004. ISBN: 0521831024.

Partial contents: Peter SCHÄFER, "In Heaven As It Is in Hell: The Cosmology of *Seder Rabbah di-Bereshit*," 233–274; Radcliffe G. EDMONDS, III, "The Faces of the Moon: Cosmology, Genesis and the *Mithras Liturgy*," 275–295; Susanna ELM, "'O Paradoxical Fusion!': Gregory of Nazianzus on Baptism and Cosmology (*Orations* 38–40)," 296–316.

Reviews: [ref. 934]

- 934.** PHILLIPS, C. Robert. Essay review. *Aestimatio* 2 (2005): 73–83.

Available at http://www.ircps.org/publications/aestimatio/pdf/2005-06-04_Phillips.pdf. Essay review of Raʿanan S. BOUSTAN and Annette Yoshiko REED (eds.), *Heavenly Realms and Earthly Realities in Late Antique Religions* (2004) [ref. 933].

312-101. OCCULT SCIENCES; MAGIC

(includes *scientific anomalies; see also 111-Astrology and 114-Alchemy*)

- 935.** FRANKFURTER, David. "Fetus Magic and Sorcery Fears in Roman Egypt." *Greek Roman Byzantine Stud.* 46 (2006): 37–62.

312-102. HISTORY OF PHILOSOPHY; HISTORY OF IDEAS

(includes *history of philosophy of science*)

- 936.** AHBEL-RAPPE, Sara. Essay review. *Aestimatio* 3 (2006): 39–43.

Available at http://www.ircps.org/publications/aestimatio/pdf/2006-03-01_Ahbel-Rappe.pdf. Essay review of Andrew SMITH, *Philosophy in Late Antiquity* (2004).

- 937.** ALLEN, James. *Inference from Signs: Ancient Debates about the Nature of Evidence*. (x + 279 pp.; bibl.; index.) New York: Oxford University Press, 2001. ISBN: 0198250940.

Reviews: [ref. 949]

- 938.** BERTI, Enrico. "Che cosa rimane oggi della *Metafisica* di Aristotele?" *Acta Phil.* 15 (2006): 273–286.

- 939.** BETEGH, Gábor. *The Derveni Papyrus: Cosmology, Theology, and Interpretation*. (xii + 441 pp.; bibl.; index.) Cambridge, U.K./New York: Cambridge University Press, 2004. ISBN: 0521801087.

- 940.** BURKERT, Walter. "Qualität und Quantität in der antiken Philosophie: Zur Genese einer Fragestellung." In *Wissenschaft zwischen Qualitas und Quantitas*, edited by NEUENSCHWANDER (2003) [ref. 155], 33–48.

- 941.** COLMAN, John. "Science, Politics, and Poetry: A Study of Lucretius' 'On the Nature of Things.'" *Diss. Abstr. Int.* A 66/11 (2006): 4166.

Dissertation at Boston College, 2006. Adviser: Kelly, Christopher. UMI pub. no. 3194595. 306 pp.

- 942.** HALPER, Edward C. Essay review. *Aestimatio* 3 (2006): 56–61.

Available at http://www.ircps.org/publications/aestimatio/pdf/2006-07-01_Halper.pdf. Essay review of Gianluigi PASQUALE, *Aristotle and the Principle of Non-Contradiction* (2005) [ref. 947].

- 943.** JOHNSON, Monte Ransome. *Aristotle on Teleology*. Oxford Aristotle Studies. (xi + 339 pp.; bibl.; index.) Oxford: Oxford University Press, 2005. ISBN: 0199285306.

Reviews: [ref. R692]

- 944.** KIRBY, Jeremy. "Material Migration and Aristotelian Metaphysics." *Diss. Abstr. Int.* A 66/11 (2006): 4047.

Dissertation at The Florida State University, 2005. Adviser: Dancy, R. M. UMI pub. no. 3198231. 107 pp.

945. LAKS, André. "Scrittura, prosa e gli inizi della filosofia greca." *Dianoia* 6 (2001): 13–38.

946. PALÙ, Chiara. "Le definizioni dei relativi nelle Categorie di Aristotele: Una risposta a David Sedley." *Dianoia* 5 (2000): 39–56.

947. PASQUALE, Gianluigi. *Aristotle and the Principle of Non-Contradiction*. (128 pp.; index; bibl.) Sankt Augustin: Academia Verlag, 2005. ISBN: 3896653482.

Reviews: [ref. 942]

948. POLANSKY, Ronald. Essay review. *Aestimatio* 2 (2005): 128–135.

Available at http://www.ircps.org/publications/aestimatio/pdf/2005-11-02_Polansky.pdf. Essay review of David SEDLEY, *The Midwife of Platonism* (2004) [ref. 952].

949. REYNOLDS, Joshua J. Essay review. *Aestimatio* 1 (2004): 107–112.

Available at http://www.ircps.org/publications/aestimatio/pdf/2004-07-01_Reynolds.pdf. Essay review of James ALLEN, *Inference from Signs* (2001) [ref. 937].

950. ROBERTSON, David G. "Mind and Language in Philo." *J. Hist. Ideas* 67 (2006): 423–441.

951. SCHARLE, Margaret Elizabeth. "The Place of the Elements in Aristotle's Natural Teleology." *Diss. Abstr. Int.* A 66/11 (2006): 4049.

Dissertation at University of California, Los Angeles, 2005. Adviser: Lawrence, Gavin. UMI pub. no. 3196367. 258 pp.

952. SEDLEY, David. *The Midwife of Platonism: Text and Subtext in Plato's Theaetetus*. (x + 201 pp.; index; bibl.) Oxford; New York: Oxford University Press, 2004. ISBN: 0199204144.

On Plato's influential epistemological work.

Reviews: [ref. 948]

953. SEXTUS, Empiricus. *Against the Logicians*. Translated and edited by Richard BETT. Cambridge Texts in the History of Philosophy. (iii + 207 pp.; index.) Cambridge, UK; New York: Cambridge University Press, 2005. ISBN: 0521824974.

Reviews: [ref. R1249]

954. SOLTES, Ori Z. "From Plato's 'Cratylus' to Emmanuel Levinas' 'God and Philosophy': The Problem of Language for Philosophy." *Diss. Abstr. Int.* A 66/12 (2006): 4367.

Dissertation at Union Institute and University, 2005. Adviser: Fritz, H. Ira. UMI pub. no. 3198000. 530 pp.

955. WATTS, Edward. "Where to Live the Philosophical Life in the Sixth Century? Damascius, Simplicius, and the Return from Persia." *Greek Roman Byzantine Stud.* 45 (2005): 285–315.

312-103. MATHEMATICS

956. ACERBI, F. "A Reference to Perfect Numbers in Plato's *Theaetetus*." *Arch. Hist. Exact Sci.* 59 (2005): 319–348.

957. BERNARD, Alain. "Ancient Rhetoric and Greek Mathematics: A Response to a Modern Historiographical Dilemma." *Sci. Context* 16 (2003): 391–412.

958. FRIED, Michael. "The Use of Analogy in Book VII of Apollonius' *Conica*." *Sci. Context* 16 (2003): 349–365.

959. IAMBlichos. *Von der allgemeinen mathematischen Wissenschaft*. Translated into German by Otto SCHÖNBERGER and Eberhard KNOBLOCH. Subsidia classica, 5. (81 pp.; bibl.) St. Katharinen: Scripta Mercaturae, 2000. ISBN: 3895901075.

Reviews: [ref. R670]

960. IMHAUSEN, Annette. Essay review. *Aestimatio* 2 (2005): 49–57.

Available at http://www.ircps.org/publications/aestimatio/pdf/2005-05-01_Imhausen.pdf. Essay review of Serafina CUOMO, *Ancient Mathematics* (2001).

961. JOOST-GAUGIER, Christiane L. *Measuring Heaven: Pythagoras and His Influence on Thought and Art in Antiquity and the Middle Ages*. (xii + 359 pp.; ill.; bibl.; index.) Ithaca: Cornell University Press, 2006. ISBN: 0801443962.

Reviews: [ref. R698]

962. KALVESMAKI, Joel. "Formation of the Early Christian Theology of Arithmetic Number Symbolism in the Late Second and Early Third Century." *Diss. Abstr. Int.* A 67/04 (2006): 1386.

Dissertation at The Catholic University of America, 2006. Adviser: McCarthy, William. UMI pub. no. 3214679. 472 pp.

963. KNORR, Wilbur R. "The Impact of Modern Mathematics on Ancient Mathematics." *Rev. Hist. Math.* 7 (2001): 121–135.

An unpublished lecture from 1975 in which Knorr looks at three examples concerning the study of pre-Euclidean geometry.

964. MENDELL, Henry. "Two Traces of Two-Step Eudoxan Proportion Theory in Aristotle: A Tale of Definitions in Aristotle, with a Moral." *Arch. Hist. Exact Sci.* 61 (2007): 3–37.

965. MUELLER, Ian. "Remarks on Euclid's *Elements* I, 32 and the Parallel Postulate." *Sci. Context* 16 (2003): 287–297.

966. RESENFELD, Boris. "Some Remarks on New Editions of Apollonius' *Conics*." *Arch. Int. Hist. Sci.* 52 (2002): 229–236.

967. SAITO, Ken. "A Preliminary Study in the Critical Assessment of Diagrams in Greek Mathematical Works." *Sci. Context* 7 (2006): 81–144.

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312-104. MUSIC THEORY

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980. PTOLEMY. *Harmonics*. Translation and commentary by JON SOLOMON. (xxviii + 192 pp.; ill.; bibl.; index.) Leiden; Boston: Brill, 2000. ISBN: 9004115919.

312-110. ASTRONOMY AND COSMOLOGY

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988. MUELLER, Ian. Essay review. *Aestimatio* 2 (2005): 120–127.

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991. YAVETZ, Ido. "On Simplicius' Testimony Regarding Eudoxan Lunar Theory." *Sci. Context* 16 (2003): 319–329.

312-111. ASTROLOGY

992. EDSON, Evelyn, and Emilie SAVAGE-SMITH. "An Astrologer's Map: A Relic of Late Antiquity." *Imago Mundi* 52 (2000): 7–29.

993. ROSS, Micah Tecumseh. "Horoscopic Ostraca from Medinet Madi." *Diss. Abstr. Int. A* 67/08 (2007). Dissertation at Brown University, 2006. Adviser: Slotsky, Alice Louise and David Edwin Pingree. UMI pub. no. 3227924. 282 pp.

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312-112. PHYSICS; EXACT SCIENCES, GENERAL WORKS

995. LARSON, Thomas R. "Aristotle's Understanding of Place." *Thomist* 67 (2003): 439–462.

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312-113. CHEMISTRY

999. DELAMARE, François. "La recette du *cæruleum* de Vitruve : Le point de vue de la science des matériaux." *Arch. Int. Hist. Sci.* 53 (2003): 3–18.

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312-114. ALCHEMY

1000. CHARRON, Régine. "The *Apocryphon of John* (NHC II, 1) and the Graeco-Egyptian Alchemical Literature." *Vigiliae Christianae* 59 (2005): 438–456.

1001. GRIMES, Shannon L. "Zosimus of Panopolis: Alchemy, Nature, and Religion in Late Antiquity." *Diss. Abstr. Int. A* 67/11 (2007).

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1002. LENNOX, James G. Essay review. *Aestimatio* 1 (2004): 138–147.

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312-121. GEOGRAPHY; CARTOGRAPHY; EXPLORATION

1003. GIORGETTI, Dario. *Il sole a destra: scienza e tecnica nella geografia storica del mondo antico*. (290 pp.; ill.; bibl.; index.) Sarzana (La Spezia): Agorà, 2004. ISBN: 8887218862.

1004. SHCHEGLOV, Dmitriy A. "Hipparchus on the Latitude of Southern India." *Greek Roman Byzantine Stud.* 45 (2005): 359–378.

1005. TALBERT, Richard J. A., and Kai BRODERSEN. (Eds.) *Space in the Roman World: Its Perception and Presentation*. Antike Kultur und Geschichte, 5. (141 pp.; ill.; maps; bibl.) Münster: Lit Verlag, 2004. ISBN: 3825874192.

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312-131. BOTANY

(includes plant sciences)

1006. AMIGUES, Suzanne. *Études de botanique antique*. Mémoires de l'Académie des inscriptions et belles-lettres, 25. (xv + 501 pp.; ill.; bibl.; index.) Paris: Boccard, 2002. ISBN: 2877541304.

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Reviews: [ref. R17]

312-133. HEREDITY; GENETICS; EVOLUTION

(for genetic engineering, see 134-Microbiology)

1007. CAMPBELL, Gordon. *Lucretius on Creation and Evolution: A Commentary on De rerum natura 5.772-1104*. Oxford Classical Monographs. (xii + 385 pp.; bibl.; index.) Oxford; New York: Oxford University Press, 2003. ISBN: 0199263965.

Reviews: [ref. 1009]

1008. HENRY, Devin. "Aristotle on the Mechanism of Inheritance." *J. Hist. Biol.* 39 (2006): 425–455.

1009. HOLMES, Brooke. Essay review. *Aestimatio* 2 (2005): 142–162.

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312-146. HISTORY

1010. FEENEY, Denis. *Caesar's Calendar: Ancient Time and the Beginnings of History*. Sather Classical Lectures, 65. (xiv + 372 pp.; ill.; bibl.; index.) Berkeley: University of California Press, 2007. ISBN: 9780520251199.

1011. MOLLER, Astrid. "Epoch-Making Eratosthenes." *Greek Roman Byzantine Stud.* 45 (2005): 245–260.

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312-150. MEDICAL SCIENCES, GENERAL WORKS (includes human anatomy and physiology; see also 135-Physical anthropology)

1012. BAKER, Patricia. "Roman Medical Instruments: Archaeological Interpretations of Their Possible 'Non-Functional' Uses." *Soc. Hist. Med.* 17 (2004): 3–21.

1013. BAKER, Patricia Anne. *Medical Care for the Roman Army on the Rhine, Danube, and British Frontiers in the First, Second, and Early Third Centuries AD*. BAR International Series, 1286. (viii + 204 pp.; ill.; bibl.) Oxford, England: J. and E. Hedges, 2004. ISBN: 1841713783.

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1014. COLLARD, Franck, and Evelyne SAMAMA. (Eds.) *Le corps à l'épreuve : Poisons, remèdes et chirurgie : Aspects des pratiques médicales dans L'antiquité et au Moyen Age*. Collection Hommes et

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Reviews: [ref. R259]

1015. EIJK, Philip J. van der. (Ed.) *Hippocrates in Context: Papers Read at the XIth International Hippocrates Colloquium (University of Newcastle upon Tyne, 27–31 August 2002)*. Studies in Ancient Medicine, 31. (xvi + 521 pp.; maps; ill.; bibl.; index.) Leiden; Boston: Brill, 2005. ISBN: 9004144307.

1016. GOEHL, Konrad, Johannes Gottfried MAYER, and Kurt Hans STAUB. "Das Darmstädter Johannes-Alexandrinus-Fragment." *Sudhoffs Arch.* 84 (2000): 201–221.

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1017. GOUREVITCH, Danielle. "The Galenic Plague: A Breakdown of the Imperial Pathocoenosis. Pathocoenosis and *Longue Durée*." Special issue: "M. D. Grmek Memorial Symposium: The *Longue Durée* in Science and Medicine, London, 10 April 2003" [ref. 548]. *Hist. Phil. Life Sci.* 27 (2005): 57–69.

1018. HIPPOCRATES. *Hippocrate, oeuvres : Tome IV, 3e partie, Epidémies V et VII*. edited by Jacques JOUANA. Collection des Universités de France. (cxlviii + 349 pp.) Paris: Belles lettres, 2000. ISBN: 2251004904.

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1019. HIPPOCRATES. *Two Hippocratic Treatises On Sight and On Anatomy*. Edited and translated with introduction and commentary by Elizabeth M. CRAIK. Studies in Ancient Medicine, 33. (viii + 183 pp.; bibl.; index.) Leiden; Boston: Brill, 2006. ISBN: 9004153969.

1020. HIRT RAJ, Marguerite. *Médecins et malades de l'Égypte Romaine : Étude socio-légale de la profession médicale et de ses praticiens du Ier au IVe siècle ap. J.-C.* Studies in Ancient Medicine, 32. (xviii + 386 pp.; maps; bibl.; index.) Leiden; Boston: Brill, 2006. ISBN: 9004148469.

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1022. LANGSLOW, D. R. *Medical Latin in the Roman Empire*. Oxford Classical Monographs. (xv + 517 pp.; bibl.; index.) Oxford; New York: Oxford University Press, 2000. ISBN: 0198152795.

1023. LITTLE, Lester K. (Ed.) *Plague and the End of Antiquity: The Pandemic of 541–750*. (xiv + 360 pp.; ill.; bibl.; index.) New York: Cambridge University Press, 2007. ISBN: 0521846390.

Contributors: Lester K. LITTLE, Jo N. HAYS, Michael MORONY, Hugh N. KENNEDY, Dionysios STATHAKOPOULOS, Peter SARRIS, Alain J. STOCLET, Michael KULKOWSKI, John MADDICOTT, Ann DOOLEY, Robert SALLARES, and Michael MCCORMICK.

1024. MOOG, Ferdinand Peter, and Axel KARENBERG. "Aristotle on Stroke." *Sudhoffs Arch.* 90 (2006): 123–124.

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Reviews: [ref. R1193]

1027. SCHOLTEN, Clemens. "Welche Seele hat der Embryo? Johannes Philoponos und die Antike Embryologie." *Vigiliae Christianae* 59 (2005): 377–411.

1028. SCHULZE, Christian. *Medizin und Christentum in Spätantike und frühem Mittelalter: Christliche Ärzte und ihr Wirken*. Studien und Texte zu Antike und Christentum. (x + 253 pp.; bibl.; index.) Tübingen: Mohr Siebeck, 2005. ISBN: 3161485963.

1029. SIDERAS, Alexander. "Nochmals das sogenannte Testament des Hippokrates." *Sudhoffs Arch.* 90 (2006): 161–202.

1030. STEGER, Florian. *Asklepiosmedizin: medizinischer Alltag in der römischen Kaiserzeit*. Medizin, Gesellschaft und Geschichte, 22. (242 pp.; ill.; bibl.; index.) Stuttgart: Steiner, 2004. ISBN: 3515084150.

Reviews: [ref. R1310]

312-151. PSYCHIATRY; MEDICAL PSYCHOLOGY (see also 136-Neurosciences and 137-Psychology)

1031. MOOG, Ferdinand Peter, and Daniel SCHÄFER. "Aspekte der Altersdemenz im antiken Rom: Literarische Fiktion und faktische Lebenswirklichkeit." *Sudhoffs Arch.* 91 (2007): 73–81.

312-160. TECHNOLOGY, GENERAL WORKS (includes architecture)

1032. ACERBI, Fabio. Essay review. *Aestimatio* 1 (2004): 126–130.

Available at http://www.ircps.org/publications/aestimatio/pdf/2004-12-02_Acerbi.pdf. Essay review of Stefano MEDAS, *De rebus nauticis* (2004) [ref. 1035].

1033. FRONTINUS, Sextus Julius. *De aquaeductu urbis Romae*. Edited with introduction and commentary by R. H. RODGERS. Cambridge Classical Texts and Commentaries, 42. (xv + 431 pp.; bibl.; index.) New York: Cambridge University Press, 2003. ISBN: 0521832519.

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Reviews: [ref. 1037]

1034. JACKSON, C. M. "Making Colourless Glass in the Roman Period." *Archaeometry* 47 (2005): 763–780.

1035. MEDAS, Stefano. *De rebus nauticis: L'arte della navigazione nel mondo antico*. Studia archaeologica, 132. (233 pp.; ill.; bibl.) Roma: L'Erma di Bretschneider, 2004. ISBN: 8882652785.

Reviews: [ref. 1032]

1036. NOWIK, W., S. DESROSIERS, I. SUROWIEC, and M. TROJANOWICZ. "The Analysis of Dyestuffs from First- to Second-Century Textile Artefacts Found in the Martres-de-Veyre (France) Excavations." *Archaeometry* 47 (2005): 835–848.

1037. OLESON, John Peter. Essay review. *Aestimatio* 2 (2005): 229–236.

Available at http://www.ircps.org/publications/aestimatio/pdf/2005-12-06_Oleson.pdf. Essay review of Sextus Julius FRONTINUS, *De aquaeductu urbis Romae* (2003) [ref. 1033].

1038. SILVESTRI, A., G. MOLIN, and G. SALVULO. "Roman and Medieval Glass from the Italian Area: Bulk Characterization and Relationships with Production Technologies." *Archaeometry* 47 (2005): 797–816.

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1039. SMITH, Norman A. F. "The Hydraulics of Ancient Pipes and Pipelines." *Trans. Newcomen Soc.* 77 (2007): 1–49.

312-163. AGRICULTURE AND RELATED SCIENCES

(includes animal husbandry, forestry, and food science)

1040. THURMOND, David L. *A Handbook of Food Processing in Classical Rome: For Her Bounty No Winter*. Technology and Change in History, 9. (x + 294 pp.; ill.; index; bibl.) Leiden; Boston: Brill, 2006. ISBN: 9789004152366.

320. MEDIEVAL WESTERN EUROPEAN CONTEXTS

(4th through 14th centuries)

320-1. GENERAL HISTORIES OF SCIENCE

(includes interdisciplinary topics and biographies of scientists)

1041. DESCHAUX, Robert. "Progrès, science et raison dans le *Champion des Dames* de Martin Le Franc." In *Par les mots et par les choses*, edited by Danièle JAMES-RAOUL and Olivier SOUTET (Paris: Presses de l'Université de Paris-Sorbonne, 2005), 211–217.

1042. DRAELANTS, Isabelle, and Monique PAULMIER-FOUCART. "Échanges dans la *societas* des naturalistes au milieu du XIII^e siècle: Arnold de Saxe, Vincent de Beauvais et Albert le Grand." In *Par les mots et par les choses*, edited by Danièle JAMES-RAOUL and Olivier SOUTET (Paris: Presses de l'Université de Paris-Sorbonne, 2005), 219–238.

1043. GIVENS, Jean A., Karen REEDS, and Alain TOUWAIDE. (Eds.) *Visualizing Medieval Medicine and Natural History, 1200–1550*. AVISTA Studies in the History of Medieval Technology, Science and Art. (300 pp.; bibl.) Burlington, VT: Ashgate, 2006. ISBN: 0754652963.

Contents: Peter Murray JONES, "Image, Word, and Medicine in the Middle Ages," 1–24; Alain

TOUWAIDE, "Latin Crusaders, Byzantine Herbals," 25–50; Cathleen HOENIGER, "The Illuminated *Tacuinum sanitatis* Manuscripts from Northern Italy ca. 1380–1400: Sources, Patrons, and the Creation of a New Pictorial Genre," 51–81; Sarah Blake MCHAM, "Erudition on Display: The 'Scientific' Illustrations in Pico della Mirandola's Manuscript of Pliny the Elder's *Natural History*," 83–114; Jean A. GIVENS, "Reading and Writing the Illustrated *Tractatus de herbis*, 1280–1526," 115–146; Monica AZZOLINI, "Leonardo da Vinci's Anatomical Studies in Milan: A Re-examination of Sites and Sources," 147–176; Piers D. BRITTON, "(Hu)moral Exemplars: Type and Temperament in Cinquecento Painting," 177–204; Karen M. REEDS, "Leonardo da Vinci and Botanical Illustration: Nature Prints, Drawings, and Woodcuts ca. 1500," 205–238; Claudia SWAN, "The Uses of Realism in Early Modern Illustrated Botany," 239–250.

1044. HUFF, Toby E. "Some Historical Roots of the Ethos of Science." *J. Classic. Soc.* 7 (2007): 193–210.

Study of evidence of a Mertonian ethos in the medieval West (12th–14th centuries) in contrast to lack of evidence of such an ethos in Chinese and Islamic Middle Eastern contexts.

1045. SIRAT, Colette, Sara KLEIN-BRASLAVY, and Olga WEIJERS. (Eds.) *Les méthodes de travail de Gersonide et le maniement du savoir chez les scolastiques*. Études de philosophie médiévale, 86. (394 pp.; bibl.; index.) Paris: J. Vrin, 2003. ISBN: 2711616010.

Reviews: [ref. 1048]

1046. TWOMEY, Michael W. "Inventing the Encyclopedia." In *Schooling and Society*, edited by MACDONALD and TWOMEY (2004) [ref. 1058], 73–92.

1047. ZONTA, Mauro. Essay review. *Aestimatio* 2 (2005): 105–108.

Available at http://www.ircps.org/publications/aestimatio/pdf/2005-09-02_Zonta.pdf. Essay review of Gad FREUDENTHAL, *Science in the Medieval Hebrew and Arabic Traditions* (2005).

1048. ZONTA, Mauro. Essay review. *Aestimatio* 1 (2004): 51–56.

Available at http://www.ircps.org/publications/aestimatio/pdf/2004-03-02_Zonta.pdf. Essay review of Colette SIRAT, Sara KLEIN-BRASLAVY, and Olga WEIJERS (eds.), *Les méthodes de travail de Gersonide et le maniement du savoir chez les scolastiques* (2003) [ref. 1045].

320-3. SOURCES OF INFORMATION

(includes bibliographies, electronic sources, and works on libraries, archives, and museums)

1049. GERNER, Hiltrud, and Robert MARTIN. "Le lexique de la langue scientifique à l'aune du FEW." In *Par les mots et par les choses*, edited by Danièle JAMES-RAOUL and Olivier SOUTET (Paris: Presses de l'Université de Paris-Sorbonne, 2005), 357–370.

FEW refers to *Französisches Etymologisches Wörterbuch*.

320-4. ENCYCLOPEDIAS; DICTIONARIES; REFERENCE WORKS

1050. GLICK, Thomas, Steven J. LIVESEY, and Faith WALLIS. (Eds.) *Medieval Science, Technology, and Medicine: An Encyclopedia*. Routledge Encyclopedias of the Middle Ages, 11. (xxv + 598 pp.; ill.; bibl.; index.) New York: Routledge, 2005. ISBN: 0415969301.

Reviews: [ref. R502]

320-20. SCIENCE AND ITS INTERACTION WITH SOCIETY AND CULTURE, GENERAL WORKS

(includes popular culture; popularization of science; public understanding of science)

1051. LAND, Karine van't. "Het verloop van evenwicht mens en samenleving in Laatmiddeleeuwse humoraaltheorieën." Translated title: [The development of balance. Man and society in late medieval humoral theories]. In Dutch. *Gewina* 28 (2005): 61–78.

320-23. SCIENCE AND LITERATURE; SCIENCE AND ART

(includes drama and performing arts)

1052. EVDOKIMOVA, Ludmila. "Le 'Bestiaire d'amour' et ses mises en vers : la prose et la poésie, l'allégorie didactique et l'allégorie courtoise." *Reinardus* 13 (2000): 67–78.

320-28. SCIENCE AND RELIGION

1053. HÜE, Denis. "La Vierge et la science." In *Par les mots et par les choses*, edited by Danièle JAMES-RAOUL and Olivier SOUTET (Paris: Presses de l'Université de Paris-Sorbonne, 2005), 431–450.

1054. LEE, Richard A., Jr. *Science, the Singular, and the Question of Theology*. New Middle Ages. (ix + 180 pp.; bibl.; index.) New York: Palgrave, 2002. ISBN: 0312292961.

Contains chapters on Robert Grosseteste, Thomas Aquinas, Duns Scotus, and William of Ockham.

1055. LUTZ-BACHMANN, Matthias, Alexander FIDORA, and Andreas NIEDERBERGER. (Eds.) *Metaphysics in the Twelfth Century: On the Relationship among Philosophy, Science, and Theology*. Textes et études du moyen âge, 19. (xiv + 220 pp.; bibl.; index.) Turnhout: Brepols, 2004. ISBN: 2503522025.

Proceedings of the International Conference "The Relation between Metaphysics and Theology in the Philosophical Discussion of the 12th Century," Frankfurt am Main, Germany, June 2001.

Reviews: [ref. R867]

320-41. SCIENTIFIC INSTRUMENTS

(includes science of measurement)

1056. ENE, Viorel, and Marius BENȚA. "Time Measuring Instruments in Medieval Braşov: Technical, Social and Historical Aspects." *Noesis* 29 (2004): 207–219.

320-42. SCIENCE EDUCATION

(includes history of educational institutions)

1057. AX, Wolfram. (Ed.) *Lateinische Lehrer Europas: Fünfzehn Portraits von Varro bis Erasmus von Rotterdam*. (xvi + 431 pp.; ill.; index; bibl.) Köln: Böhlau, 2005. ISBN: 341214505X.

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320-103. MATHEMATICS

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320-111. ASTROLOGY

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320-112. PHYSICS; EXACT SCIENCES, GENERAL WORKS

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320-121. GEOGRAPHY; CARTOGRAPHY; EXPLORATION

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320-122. NATURAL HISTORY

1116. BENZONI, Chiara, and Lorenzo Montemagno CISERI. "Dalla formica alla balena: sul ciclo illustrativo del Fisiologo ambrosiano (XI secolo)." *Physis* 42 (2005): 251–303.

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320-131. BOTANY

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1120. HOUWEN, L. A. J. R. "The Noble Lyfe: An Early English Version of the *Hortus Sanitatis*." In *Schooling and Society*, edited by MACDONALD and TWOMEY (2004) [ref. 1058], 61–71.

320-132. ZOOLOGY

(includes animal anatomy and physiology; for primatology, see 135-Physical anthropology)

1121. BAKER, Craig Alexander. "Etude et édition critique de la version longue du ‘Bestiaire’ attribuée à Pierre de Beauvais." *Diss. Abstr. Int. A* 64/12 (2004): 4486.

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320-137. PSYCHOLOGY; COMPARATIVE PSYCHOLOGY

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1124. KLEINSCHMIDT, Harald. *Perception and Action in Medieval Europe*. (viii + 198 pp.; ill.; bibl.; index.) Rochester, NY: Boydell Press, 2005. ISBN: 1843831465.

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320-150. MEDICAL SCIENCES, GENERAL WORKS (includes human anatomy and physiology; see also 135-Physical anthropology)

1125. BAZIN-TACCHELLA, Sylvie. "Lequel dans la traduction française de la *Chirurgia Magna* de Guy de Chauliac : un outil de cohésion." In *Par les mots et par les choses*, edited by Danièle JAMES-RAOUL and Olivier SOUTET (Paris: Presses de l’Université de Paris-Sorbonne, 2005), 37–53.

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- 1134.** GIRALT, Sebastià. "Medicina i astrologia en el corpus arnaldià." *Dynamis* 26 (2006): 15-38.
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- 1143.** MONTFORD, Angela. "Dangers and Disorders: The Decline of the Dominican Frater Medicus." Society for the Social History of Medicine Student Essay Competition Winner, 2001. *Soc. Hist. Med.* 16 (2003): 169-191.
- 1144.** NOCKELS FABBRI, Christiane. "Continuity and Change in Late Medieval Plague Medicine: A Survey of 152 Plague Tracts from 1348 to 1599." *Diss. Abstr. Int. A* 67/04 (2006).
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- 1147.** RIETHE, Peter. "Scabies und die Bedeutung der 'Suriones' in den Handschriften Hildegards von Bingen." *Sudhoffs Arch.* 90 (2006): 203-218.
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- 1149.** STEGER, Florian, and Kay Peter JANKRIFT. (Eds.) *Gesundheit, Krankheit: Kulturtransfer medizinischen Wissens von der Spätantike bis in die Frühe Neuzeit*. Beihefte zum Archiv für Kulturgeschichte, 55. (vi + 267 pp.; bibl.) Köln: Böhlau, 2004. ISBN: 3412138037.
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167-199; Florian STEGER, "Medizinische Streitkultur im 16. Jahrhundert. Zu einer kulturellen Kontextualisierung von Georgius Agricola 'Bermannus sive de re metallica Dialogus' (1528)," 201-218; Daniel SCHÄFER, "'De senectute.' Zur Rezeption medizinischen und nicht-medizinischen Wissens der Antike in der frühneuzeitlichen Altenheilkunde," 219-236; Sandra POTT, "'Medicus poeta.' Poetisierung medizinischen Wissens über Pest und Blässe: Hans Folz und einige unbekannte Mediziner-Dichter," 237-261.

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1155. VILANOVA, Arnau de. *Arnaldi de Vilanova opera medica omnia*. edited by Luis García BALLESTER, J. A. PANIAGUA, A. LABARTA, and M. R. McVAUGH. (625 pp.; bibl.) Barcelona: Publicacions de la Universitat de Barcelona, 2004. ISBN: 8497792408.

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320-152. PUBLIC HEALTH; HEALTH; NUTRITION

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320-153. PHARMACY

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1157. BÉNÉZET, Jean-Pierre. *Pharmacie et médicament en Méditerranée occidentale (XIII^e–XVI^e siècles)*. Sciences, techniques et civilisations du Moyen Age à l'aube des Lumières, 3. (794 pp.; ill.; bibl.; index.) Paris: Champion, 1999. ISBN: 2745300016.

1158. GARCÍA GONZALEZ, Alejandro. "El 'Alphita': Estudio, edición crítica y comentario." *Diss. Abstr. Int. A* 67/01 (2006): 165.

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1159. GUÉNOUN, Anne-Sylvie. "Le Médicament chez Gérard de Solo, Médecin Montpelliérain du XIV^e Siècle." *Rev. Hist. Pharm.* 47 (1999): 465-474.

320-160. TECHNOLOGY, GENERAL WORKS

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1160. ALEGRÍA SUESCUN, David. "Aprovechamientos hidráulicos en las ciudades Navarras (siglos XII–XIV)." Translated title: [Hydraulic resources in medieval towns of Navarra (12th–14th Centuries)]. In Spanish. *Diss. Abstr. Int. C* 65/02 (2004): 329.

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1161. HILAIRE-PÉREZ, Liliane, and Catherine VERNA. "Dissemination of Technical Knowledge in the Middle Ages and the Early Modern Era: New Approaches and Methodological Issues." *Tech. Cult.* 47 (2006): 536–565.

1162. WORTHEN, Shana Sandlin. "The Memory of Medieval Inventions, 1200–1600: Windmills, Spectacles, Mechanical Clocks, and Sandglasses." *Diss. Abstr. Int. A* 67/06 (2006).

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330. RENAISSANCE WESTERN EUROPEAN CONTEXTS

(15th and 16th centuries; see also 320-Medieval for topics beginning earlier)

330-1. GENERAL HISTORIES OF SCIENCE

(includes interdisciplinary topics and biographies of scientists)

1163. FUENTES SAGAZ, Manuel de. (Ed.) *Miguel Serveto o Miguel de Villanueva: conmemoración del 450 aniversario de la muerte de Miguel Servet, 1553*. Colección Temas de historia de la medicina, 1. (286 pp.; ill.; bibl.) Pamplona: Fondo de Publicaciones del Gobierno de Navarra, 2004. ISBN: 8423525031.

Reviews: [ref. R466]

1164. GOULDING, Robert. "Histories of Science in Early Modern Europe." Introduction to a special issue. *J. Hist. Ideas* 67 (2006): 33–40.

Contents: James Steven BYRNE, "A Humanist History of Mathematics? Regiomontanus's Padua Oration in Context," 41–61 [ref. 1216]; Robert GOULDING, "Method and Mathematics: Peter Ramus's Histories of the Sciences," 63–85 [ref. 1224]; Nicholas POPPER, "Abraham, Planter of Mathematics": Histories of Mathematics and Astrology in Early Modern Europe," 87–106 [ref. 1264]; Lauren KASSELL, "'All was this land full fill'd of faerie,' or Magic and the Past in Early Modern England," 107–122 [ref. 1200].

1165. JUŚKIEWICZ, Lucyna. *Giordano Bruno: Zmaganie z nieskończonością*. (228 pp.; bibl.; index.) Warszawa: Sempur, 2003. ISBN: 8389100290.

1166. KEMP, Martin. *Leonardo da Vinci: The Marvellous Works of Nature and Man*. Revised edition. (xxix + 381 pp.; ill.; bibl.; index.) Oxford; New York: Oxford University Press, 2006. ISBN: 0192807250.

1167. KÜHLMANN, Wilhelm, and Joachim TELLE. (Eds.) *Corpus Paracelsisticum II: Dokumente frühneuzeitlicher Naturphilosophie in Deutschland. Der Frühparacelsismus: Zweiter Teil*. Corpus Paracelsisticum, 2. (xi + 1090 pp.; index.) Tübingen: Niemeyer, 2004. ISBN: 3484365897.

Reviews: [ref. R779]

1168. PASTORE, Alessandro, and Enrico PERUZZI. (Eds.) *Girolamo Fracastoro: Fra medicina, filosofia e scienze della natura: Atti del convegno internazionale di studi in occasione del 450. anniversario della morte, Verona-Padova 9–11 ottobre 2003*. Studi e testi, 58. (362 pp.; ill.; bibl.; index.) Firenze: L.S. Olschki, 2006. ISBN: 8822255232.

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aspects platoniciens de *seminaria*," 245–262; Gian Paolo MARCHI, "Schede settecentesche per Girolamo Fracastoro," 263–278; Ivano DAL PRETE, "Echi fraccastoriani nelle cosmologie e nelle teorie della terra del Settecento," 279–298 [ref. 1284]; Vivian NUTTON, "Fracastoro in Manchester," 299–310; Gaetano THIENE, "Scoperta dell'America e diffusione della sifilide in Europa (1492–1494) nel *Sulla storia de' mali venerei* di Domenico Thiene (1823)," 311–321 [ref. 1352]; Giuseppe FERRARI, "Lo studio e l'interpretazione di Girolamo Fracastoro nell'ambiente medico veronese tra Otto e Novecento," 321–344.

1169. RANKIN, Alisha. "Becoming an Expert Practitioner: Court Experimentalism and the Medical Skills of Anna of Saxony (1532–1585)." *Isis* 98 (2007): 23–53.

1170. SHEA, William R. *Designing Experiments and Games of Chance: The Unconventional Science of Blaise Pascal*. (xii + 354 pp.; ill.; bibl.; index.) Sagamore Beach, MA: Science History Publications, 2003. ISBN: 0881353760.

Reviews: [ref. R1261]

1171. SMETS, An. "Coping with Daily Domestic Problems during the Renaissance: Some Answers Provided by MS. Dibner Library 5B." *Arch. Int. Hist. Sci.* 55 (2005): 367–381.

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1172. SMITH, Pamela H. Essay review. *Aestimatio* 3 (2006): 48–51.

Available at http://www.ircps.org/publications/aestimatio/pdf/2006-05-01_Smith.pdf. Essay review of Gianna POMATA and Nancy G. SIRAISI (eds.), *Historia* (2005).

1173. TELLE, Joachim. "Paracelsus in pseudoparacelsischen Briefen." *Ber. Wissenschaftsgesch.* 27 (2004): 149–160.

On the Paracelsian movement in general, specifically an "investigation of pseudo-Paracelsian letters, forgeries written by unidentified sixteenth-century Paracelsists." (from the abstract)

1174. VAN DEN ABBEELE, Baudouin. "The *Macrologus* of Liège: An Encyclopedic Lexicon at the Dawn of Humanism." In *Schooling and Society*, edited by MACDONALD and TWOMEY (2004) [ref. 1058], 43–60.

330-12. STUDIES OF LINGUISTIC AND VISUAL ASPECTS OF SCIENCE

1175. BALDASSO, Renzo. "The Role of Visual Representation in the Scientific Revolution: A Historiographic Inquiry." *Centaurus* 48 (2006): 69–88.

330-20. SCIENCE AND ITS INTERACTION WITH SOCIETY AND CULTURE, GENERAL WORKS (includes popular culture; popularization of science; public understanding of science)

1176. ALGAZI, Gadi. "Eine gelernte Lebensweise: Figureationen des Gelehrtenlebens zwischen Mittelalter und Früher Neuzeit." *Ber. Wissenschaftsgesch.* 30 (2007): 107–118.

On the erosion of celibacy in universities and its effect on scholarly activities, in particular the

shaping of a "systematically rationalized way of life" within a family context.

1177. PASSANNANTE, Gerard Paul. "The Lucretian Renaissance: Ancient Poetry and Humanism in an Age of Science." *Diss. Abstr. Int. A* 68/01 (2007): 181.

Dissertation at Princeton University, 2007. Advisor: Barkan, Leonard, Anthony Grafton, and Nigel Smith. Pub. no. AAT 3250023. 293 pp. On how *De rerum natura* was received in the Renaissance, and its "radical guide for the transmission and renovation of ancient wisdom" and relation to humanism from the late 15th to the 17th centuries. (from the abstract)

330-23. SCIENCE AND LITERATURE; SCIENCE AND ART

(includes drama and performing arts)

1178. BLANK, Paula. *Shakespeare and the Mismeasure of Renaissance Man*. (214 pp.; ill.; bibl.; index.) Ithaca, NY: Cornell University Press, 2006. ISBN: 9780801444753.

"Argues that Shakespeare, in his experiments with measurement, demonstrates the incommensurability of the aims and operations of quantification with human experience." (from the publisher)

1179. BRANAGAN, David. "Geology and the Artists of the Fifteenth and Sixteenth Centuries, Mainly Florentine." In *The Origins of Geology in Italy*, edited by VAI and CALDWELL (2006) [ref. 364], 31–42.

1180. GIORDANO, Michael J. "Reverse Transmutations: Béroalde de Verville's Parody of Paracelsus in *Le Moyen de parvenir*: An Alchemical Language of Skepticism in the French Baroque." *Renaiss. Quart.* 56 (2003): 88–137.

1181. HOCKNEY, David. *Secret Knowledge: Rediscovering the Lost Techniques of the Old Masters*. (296 pp.; ill.; bibl.; index.) New York: Viking Studio, 2001. ISBN: 0670030260.

Argues that 15th-century painters used optical instruments.

1182. KEMP, Martin. *Leonardo Da Vinci: Experiment and Design*. (ix + 213 pp.; ill.; bibl.; index.) Princeton: Princeton University Press, 2006. ISBN: 0691129053.

"Kemp, an art historian, illuminates how da Vinci's understanding of nature in its many facets contributed to his artistic masterpieces." (from the publisher)

1183. SORCI, Alessandra. "*La forza de le linee*": *Prospettiva e stereometria in Piero della Francesca*. Micrologus Library, 7. (213 pp.; ill.; bibl.; index.) Florence: SISMEL, Edizioni del Galluzzo, 2001. ISBN: 8884500141.

330-28. SCIENCE AND RELIGION

1184. BRÖER, Ralf. "Blutkreislauf und Dreieinigkeit: Medizinischer Antitrinitarismus von Michael Servet (1511–1553) bis Giorgio Biandrata (1515–1588)." *Ber. Wissenschaftsgesch.* 29 (2006): 21–37.

1185. BROOKE, John, and Ekmeleddin İHSANOĞLU. (Eds.) *Religious Values and the Rise of Science in Europe*. (258 pp.; ill.) Istanbul: Research Center for Islamic History Art and Culture, 2005.

The majority of the articles in this book were presented at the workshop titled "Science and Human Values," organized by the European Science Foundation in cooperation with IRCICA and the Turkish Society for History of Science (6–7 October 2001, IRCICA Istanbul). A major theme of the book is the reception of Copernican astronomy, with comparisons between Catholic, Lutheran, Calvinist, and Ottoman responses. Contributing authors include: John BROOKE, John NORTH, Peter BARKER, Charlotte METHUEN, Anne-Charlott TREPP, Kenneth HOWELL, Paolo PONZIO, Mariano ARTIGAS, Rafael MARTÍNEZ, William SHEA, Robert ILIFFE, Ekmeleddin İHSANOĞLU, and Sonja BRENTJES.

Reviews: [ref. R160]

1186. DYE, Amy. "Writing Creation in England, 1580–1680." *Diss. Abstr. Int. A* 67/01 (2006): 193.

Dissertation at The University of North Carolina at Chapel Hill, 2005. Adviser: Barbour, Reid. UMI pub. no. 3200760. 258 pp. Explores the literary and scientific interest in the notion of creation, both divine as well as human. Focuses on four individuals: Sir Philip Sidney, Robert Fludd, William Harvey, and John Milton.

1187. KILLEEN, Kevin, and Peter J. FORSHAW. (Eds.) *The Word and the World: Biblical Exegesis and Early Modern Science*. (xii + 264 pp.; ill.; bibl.; index.) Basingstoke: Palgrave Macmillan, 2007. ISBN: 9780230507074.

Contents: P. HARRISON, "The Use of Creatures: Allegory, the Literal Sense and the Contemplative Life"; S. MATTHEWS, "Francis Bacon and the Two Books: Interpreting God's Will and Power"; J. D. FLEMING, "Making Sense of Science and the Literal: Semantics and Hermeneutics"; P. FORSHAW, "Vitriolic Reactions: Orthodox Response to the Alchemical Exegesis of Genesis"; H. HAKANSSON, "Tycho the Apocalyptic: History, Astrology and the Apocalypse in Early Modern Science"; V. REMMERT, "Whether the Stars are Innumerable for Us?" Astronomy and Biblical Exegesis among the Jesuits in the 16th and 17th Centuries"; P. MUELLER, "Biblical-Textual Criticism and Marin Mersenne's Scientific Practice"; L. CATANA, "Giordano Bruno's Hermeneutic Comments on the Bible in his *De monade*"; I. A. KELTER, "Reading the Book of God as the Book of Nature: The Case of the Louvain Humanist Cornelius Valerius (1512–1578)"; J. SAWDAY, "The Fortunes of Babel: Technology, History, and Genesis 11:1–9"; K. KILLEEN, "Duckweed and the Word of God: Seminal Principles and Creation in Thomas Browne"; and K. EDWARDS, "Days of the Locust: Natural History, Politics, and the English Bible."

1188. MAGGI, Armando. *Satan's Rhetoric: A Study of Renaissance Demonology*. (x + 260 pp.; ill.; bibl.; index.) Chicago: University of Chicago Press, 2001. ISBN: 0226501329.

Reviews: [ref. R878]

1189. ROMANO, Antonella. "Arpenter la 'vigne du Seigneur'? Note sur l'activité scientifique des Jésuites dans les provinces extra-européennes (XVI^e–XVII^e siècles)." *Arch. Int. Hist. Sci.* 52 (2002): 73–101.

1190. VELTMAN, Lenny. "‘Geen steen zal op de andere blijven.’ Zestiende-eeuwse natuurrampsteksten: ooggetuigenverslag of godsdienstles?" Translated title: [Texts on natural disasters in the sixteenth century: eyewitness reports of religious instruction]. In Dutch. *Gewina* 28 (2005): 186–207.

330-29. SCIENCE AND WAR

1191. WALTON, Steven A. "Mathematical Instruments and the Creation of the Scientific Military Gentleman." In *Instrumental in War*, edited by WALTON (2005) [ref. 238], 17–46.

On advances in the technology of gunnery in the 16th–18th centuries.

330-40. SCIENTIFIC INSTITUTIONS

(includes awards and prizes)

1192. PILASKI, Katharina. "The Munich Kunstkammer: Art, Nature, and the Representation of Knowledge in Courtly Contexts." *Diss. Abstr. Int. A* 68/02 (2007).

Dissertation at University of California, Santa Barbara, 2007. Adviser: Meadow, Mark. Pub. no. AAT 3252784. 298 pp. On the collections of the Kunstkammer of Albrecht V, Duke of Bavaria, founded in the 1560s.

330-41. SCIENTIFIC INSTRUMENTS

(includes science of measurement)

1193. BRANDSTETTER, Thomas. "Elefanten im Mond, Der prekäre Status des wissenschaftlichen Instruments." *Ber. Wissenschaftsgesch.* 27 (2004): 109–118.

On a satire by Samuel Butler illustrating contrasting versions of verification in science as related to the role of new scientific instruments such as the telescope.

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330-42. SCIENCE EDUCATION

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330-43. PROFESSIONAL ACTIVITIES OF SCIENTISTS

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330-101. OCCULT SCIENCES; MAGIC

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330-110. ASTRONOMY AND COSMOLOGY

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330-114. ALCHEMY

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330-120. EARTH AND ATMOSPHERIC SCIENCES, GENERAL WORKS

(includes meteorology and climatology)

1283. AGRICOLA, Georgius. *De natura fossilium (1546): Handbuch der Mineralogie*, edited by Fritz KRAFFT. Translated by Georg FRAUSTADT. (lxxi + 435 pp.) Wiesbaden: Marix-Verlag, 2006. ISBN: 3865390528.

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1285. MORELLO, Nicoletta. "Agricola and the Birth of the Mineralogical Sciences in Italy in the Sixteenth Century." In *The Origins of Geology in Italy*, edited by VAI and CALDWELL (2006) [ref. 364], 23–30.

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330-121. GEOGRAPHY; CARTOGRAPHY; EXPLORATION

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1295. FALCHETTA, Piero. *Fra Mauro's World Map: With a Commentary and Translations of the Inscriptions*. Terrarvm orbis: histoire des representations de l'espace: textes, images, 5. (829 pp.; ill.; bibl.; CD-ROM.) Turnhout: Brepols, 2006. ISBN: 2503517269.

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1302. MITCHELL, Rose. "Maps in Sixteenth-Century English Law Courts." *Imago Mundi* 58 (2006): 212–219.

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330-122. NATURAL HISTORY

1308. CARRILLO CASTILLO, Jesús. "Naming Difference: The Politics of Naming in Fernandez de Oviedo's *Historia general y natural de las Indias*." *Sci. Context* 16 (2003): 489–504.

1309. MÄRTL, Claudia. "Von Mäusen und Elefanten: Tiere am Papstthof im 15. Jahrhundert." *Deut. Arch. Erforschung Mittel.* 60 (2004): 183–199.

1310. MILLONES-FIGUEROA, Luis. "La historia natural del padre Bernabé Cobo. Algunas claves para su lectura." *Col. Latin Amer. Rev.* 12 (2003): 85–97.

1311. OGILVIE, Brian W. *The Science of Describing: Natural History in Renaissance Europe*. (xvi + 385 pp.; ill.; bibl.; index.) Chicago: University of Chicago Press, 2006. ISBN: 0226620875.

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1312. PRIETO, Andres Ignacio. "Jesuit Naturalists: Nature, Evangelization, and Propaganda in South America, 1588–1676." [Translated title.] In Spanish. *Diss. Abstr. Int. A* 67/09 (2007).

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330-124. PALEONTOLOGY

1315. CIANCIO, Luca. "Un interlocutore fiammingo di Fracastoro: il medico Iohannes Goropius Becanus (1518-1572) e la teoria dell'origine organica dei fossili." In *Girolamo Fracastoro*, edited by PASTORE and PERUZZI (2006) [ref. 1168], 141–156.

1316. SARTORI, Silvia. "Girolamo Fracastoro e l'origine dei fossili in una testimonianza di Torello Saraina." In *Girolamo Fracastoro*, edited by PASTORE and PERUZZI (2006) [ref. 1168], 157–163.

330-130. BIOLOGICAL SCIENCES, GENERAL WORKS

1317. BATES, A. W. *Emblematic Monsters: Un-natural Conceptions and Deformed Births in Early Modern Europe.* The Wellcome Series in the History of Medicine; Clío Medica, 77. (334 pp.; ill.; bibl.; index.) Amsterdam / New York, NY: Rodopi, 2005. ISBN: 9042018623.

330-131. BOTANY

(includes plant sciences)

1318. EGMOND, Florike. "The Clusius Project: Carolus Clusius and Sixteenth-Century Botany in the Context of the New Cultural History of Science." *Ber. Wissenschaftsgesch.* 30 (2007): 66–68.

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330-132. ZOOLOGY

(includes animal anatomy and physiology; for primatology, see 135-Physical anthropology)

1322. CUNNINGHAM, Andrew. "The Pen and the Sword: Recovering the Disciplinary Identity of Physiology and Anatomy before 1800: I: Old Physiology—The Pen." *Stud. Hist. Phil. Biol. Biomed. Sci.* 33 (2002): 631–665.

330-150. MEDICAL SCIENCES, GENERAL WORKS (includes human anatomy and physiology; see also 135-Physical anthropology)

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1329. BROOMHALL, Susan. *Women's Medical Work in Early Modern France.* Gender in History. (viii + 288 pp.; bibl.; index.) Manchester, U.K.: Manchester University Press, 2004. ISBN: 0719062861.

1330. CONDE PARRADO, Pedro. *Hipócrates latino: el De Medicina de Cornelio Celso en el Renacimiento.* Serie Lingüística y filología, 52. (354 pp.; bibl.; index.) Valladolid: Universidad de Valladolid, 2003. ISBN: 8484482138.

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1331. CROWTHER-HEYCK, Kathleen. "'Be Fruitful and Multiply': Genesis and Generation in Reformation Germany." *Renaiss. Quart.* 55 (2002): 904–935.

1332. GENTILCORE, David. *Medical Charlatanism in Early Modern Italy.* (xii + 426 pp.; ill.; maps; bibl.; index.) Oxford; New York: Oxford University Press, 2006. ISBN: 0199245355.

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1336. MCHUGH, Timothy J. "Establishing Medical Men at the Paris Hôtel-Dieu, 1500–1715." *Soc. Hist. Med.* 19 (2006): 209–224.

1337. MELONCON, Lisa K. "Rhetoric, Remedies, Regimens: Popular Science in Early Modern England." *Diss. Abstr. Int.* A 67/03 (2006).

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1339. NEWSON, Linda A. "Medical Practice in Early Colonial Spanish America: A Prospectus." *Bull. Latin Amer. Res.* 25 (2006): 367–391.

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1341. PERFETTI, Amalia. "La *Syphilis sive de morbo gallico* de Jérôme Fracastor: Un exemple de la diffusion de Lucrèce en Italie dans la première moitié du XVI^e siècle." *Rev. Hist. Sci.* 55 (2002): 263–271.

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1343. POLIQUIN, Rachel. "Vegetal Prejudice and Healing Territories in Early Modern England." In *Textual Healing*, edited by FURDELL (2005) [ref. 1133], 169–193.

1344. ROBINSON, James T. Essay review. *Aestimatio* 1 (2004): 91–106.

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1345. SALGADO, Luis M. Calvo. *Die Wunder der Bettlerinnen: Krankheits- und Heilungsgeschichten in Burgos und Santo Domingo de la Calzada (1554–1559)*. Jakobus-Studien, 11. (x + 500 pp.; bibl.; index.) Tübingen: Gunter Narr Verlag, 2000. ISBN: 3823340115.

Reviews: [ref. R1190]

1346. SCHIPPERGES, Heinrich. "Der Arzt Paracelsus zwischen *Qualitas* und *Quantitas*," edited by NEUENSCHWANDER (2003) [ref. 155], 77–90.

1347. SCHLEINER, Winfried. "Early Modern Controversies about the One-Sex Model." *Renaiss. Quart.* 53 (2000): 180–191.

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1348. SIRAISI, Nancy. "Anatomizing the Past: Physicians and History in Renaissance Culture." *Renaiss. Quart.* 53 (2000): 1–30.

1349. SOLL, Jacob. "Healing the Body Politic: French Royal Doctors, History, and the Birth of a Nation, 1560–1634." *Renaiss. Quart.* 55 (2002): 1259–1286.

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1351. SZULAKOWSKA, Urszula. *The Sacrificial Body and the Day of Doom: Alchemy and Apocalyptic Discourse in the Protestant Reformation*. Aries Book Series, 1. (180 pp.; ill.; bibl.; index.) Leiden; Boston: Brill, 2006. ISBN: 9789004150256.

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1352. THIENE, Gaetano. "Scoperta dell'America e diffusione della sifilide in Europa (1492–1494) nel *Sulla storia de' mali venerei* di Domenico Thiene (1823)." In *Girolamo Fracastoro*, edited by PASTORE and PERUZZI (2006) [ref. 1168], 311–321.

1353. VALLAMBERT, Simon de. *Cinq livres, de la manière de nourrir et gouverner les enfants dès leur naissance*. edited by Colette H. WINN. Cahiers d'humanisme et Renaissance, 74. (512 pp.; ill.) Genève: Droz, 2005. ISBN: 2600010297.

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Reviews: [ref. R1387]

1354. VEKERYD, Lilla. "Paracelsus's *Great Wound Surgery*." In *Textual Healing*, edited by FURDELL (2005) [ref. 1133], 77–99.

1355. VOLLMUTH, Ralf. *Das anatomische Zeitalter: die Anatomie der Renaissance von Leonardo Da Vinci bis Andreas Vesal*. (185 pp.; ill.; bibl.; index.) München: Neuer Merkur, 2004. ISBN: 3929360705.

Reviews: [ref. R1399]

330-160. TECHNOLOGY, GENERAL WORKS (includes architecture)

1356. BALDASSO, Renzo. Essay review. *Aestimatio* 2 (2005): 58–63.

Available at http://www.ircps.org/publications/aestimatio/pdf/2005-05-02_Baldasso.pdf. Essay review of Wolfgang LEFÈVRE (ed.), *Picturing Machines, 1400–1700* (2004).

330-161. COMPUTERS; COMMUNICATION TECHNOLOGIES

(includes information sciences)

1357. EISENSTEIN, Elizabeth L. "An Unacknowledged Revolution Revisited." *Amer. Hist. Rev.* 107 (2002): 87–105.

On the shift from script to print and its affect on institutions, traditions, occupations, and modes of thought. See also Anthony GRAFTON, "How Revolutionary Was the Printing Revolution" *Amer. Hist. Rev.* 107 (2002): 84–128. Also includes: Adrian JOHNS, "How to Acknowledge a Revolution," 106–125.

330-163. AGRICULTURE AND RELATED SCIENCES

(includes animal husbandry, forestry, and food science)

1358. LACOMBE, Michael. "Food and Authority in the English Atlantic World, 1570–1640." *Diss. Abstr. Int. A* 67/02 (2006): 690.

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1359. LÓPEZ-BELTRÁN, Carlos. "The Medical Origins of Heredity." In *Heredity Produced*, edited by MÜLLER-WILLE and RHEINBERGER (2007) [ref. 480], 105–132.

340. SEVENTEENTH CENTURY

(includes topics stretching into the 18th century; see also 330-Renaissance for topics covering the whole Early Modern period)

340-1. GENERAL HISTORIES OF SCIENCE

(includes interdisciplinary topics and biographies of scientists)

1360. AUCANTE, Vincent. "Descartes's Experimental Method and the Generation of Animals." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 65–79.

1361. AUGHTON, Peter. *Newton's Apple: Isaac Newton and the English Scientific Renaissance*. (215 pp.; ill.; bibl.; index.) London: Weidenfeld & Nicolson, 2003. ISBN: 0297843214.

Reviews: [ref. R41]

1362. COOPER, Michael, and Michael Cyril William HUNTER. (Eds.) *Robert Hooke: Tercentennial Studies*. (xix + 335 pp.; ill.; bibl.; index.) Burlington, VT: Ashgate, 2006. ISBN: 075465365X.

Contents: Michael NAUENBERG, "Robert Hooke's Seminal Contribution to Orbital Dynamics," 3–32 [ref. 1505]; Ofer GAL, "Hooke's Programme: Final Thoughts," 33–48; Hideto NAKAJIMA, "Robert

Hooke as an Astronomer: Hooke's Optical Research and Instruments in Their Historical Context," 49–62 [ref. 1503]; Jim BENNETT, "Instruments and Ingenuity," 65–76 [ref. 1425]; John HENNESSY, Allan MILLS and Stephen WATSON, "Hooke's Design for a Driven Equatorial Mounting," 77–88 [ref. 1429]; S. H. JOSEPH, "Assessment of the Scientific Value of Hooke's Work," 89–108; Douwe DRAAISMA, "Hooke on Memory and the Memory of Hooke," 111–121; Nick WILDING, "Graphic Technologies," 123–134; Ellen Tan DRAKE, "Hooke's Ideas of the Terrestrial Globe and a Theory of Evolution," 135–149 [ref. 1590]; Jacques HEYMAN, "Hooke and Bedlam," 153–164 [ref. 1615]; Alison STOESSER, "Robert Hooke's Montagu House: London Architecture with Continental Flair," 165–179; Hentie LOUW, "The 'Mechanick Artist' in Late Seventeenth-Century English and French Architecture: The Work of Robert Hooke, Christopher Wren and Claude Perrault Compared as Products of an Interactive Science/Architecture Relationship," 181–199 [ref. 1640]; Mordechai FEINGOLD, "Robert Hooke: Gentleman of Science," 203–217; Edward SMITH, "Hooke and Westminster," 219–232; Robert D. PURRINGTON, "After the *Principia*: Hooke's Declining Years, 1687–1703," 233–246; Lisa JARDINE, "Robert Hooke: A Reputation Restored," 247–258.

Reviews: [ref. 1367, R272]

1363. DUCHEYNE, Steffen. "Joan Baptista Van Helmont and the Question of Experimental Modernism." *Physica* 42 (2005): 305–332.

Focus on Van Helmont's experimental practices.

1364. EATON, William R. *Boyle on Fire: The Mechanical Revolution in Scientific Explanation*. Continuum Studies in British Philosophy. (vii + 205 pp.; index; bibl.) London; New York: Continuum, 2005. ISBN: 0826478271.

Reviews: [ref. R374]

1365. FEINGOLD, Mordechai. "Honor Thy Newton." *Early Sci. Med.* 12 (2007): 223–229.

Essay review of Rob ILIFFE, Milo KEYNES, and Rebekah HIGGITT (eds.), *Early Biographies of Isaac Newton, 1660–1885* (2006); James E. FORCE and Sarah HUTTON (eds.), *Newton and Newtonianism* (2004).

1366. FÜSSEL, Marian. "'Charlataneria Eruditorum,' Zur sozialen Semantik des gelehrten Betrugs im 17. und 18. Jahrhundert." *Ber. Wissenschaftsgesch.* 27 (2004): 119–135.

1367. GAUKROGER, Stephen. Essay review. *Aestimatio* 3 (2006): 52–55.

Available at http://www.ircps.org/publications/aestimatio/pdf/2006-06-01_Gaukroger.pdf. Essay review of Michael COOPER and Michael Cyril William HUNTER (eds.), *Robert Hooke* (2006) [ref. 1362].

1368. HARRISON, Peter. "Curiosity, Forbidden Knowledge, and the Reformation of Natural Philosophy in Early Modern England." *Isis* 92 (2001): 265–290.

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1369. HAWLITSCHKE, Kurt. "Die Deutschlandreise des René Descartes." *Ber. Wissenschaftsgesch.* 25 (2002): 235–252.

1370. ILIFFE, Rob. *Newton: A Very Short Introduction*. Very Short Introductions, 158. (141 pp.; ill.; bibl.; index.) Oxford; New York: Oxford University Press, 2007. ISBN: 0199298033.

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1387. WEINBERGER, Jerry. "Francis Bacon and the Unity of Knowledge: Reason and Revelation." In *Francis Bacon and the Refiguring of Early Modern Thought*, edited by SOLOMON and MARTIN (2005) [ref. 1385], 109-127.

340-3. SOURCES OF INFORMATION

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1388. HENDERSON, Felicity. "Unpublished Material from the Memorandum Book of Robert Hooke, Guildhall Library MS 1758." *Notes Rec. Roy. Soc. Lond.* 61 (2007): 129-175.

1389. QUINN, Terry. "The Hooke Folio." *Notes Rec. Roy. Soc. Lond.* 60 (2006): 231-233.

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340-12. STUDIES OF LINGUISTIC AND VISUAL ASPECTS OF SCIENCE

1390. LEWIS, John. "Truth and Propaganda in Images of the Trial of Galileo." *J. Hist. Astron.* 38 (2007): 15-29.

1391. REMMERT, Volker. *Widmung, Welterklärung und Wissenschaftslegitimierung: Titelbilder und ihre Funktionen in der Wissenschaftlichen Revolution*. Wolfenbütteler Forschungen, 110. (267 pp.; ill.; bibl.; index.) Wiesbaden: Harrassowitz in Kommission, 2005. ISBN: 3447053372.

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340-20. SCIENCE AND ITS INTERACTION WITH SOCIETY AND CULTURE, GENERAL WORKS

(includes popular culture; popularization of science; public understanding of science)

1392. BIBLIOTHECA PHILOSOPHICA HERMETICA. (Ed.) *Rosenkreuz als europäisches Phänomen im 17. Jahrhundert*. Pimander, 7. (404 pp.; ill.) Amsterdam: In de Pelikaan, 2002. ISBN: 9071608115.

1393. FEINGOLD, Mordechai. *The Newtonian Moment: Isaac Newton and the Making of Modern Culture*. (xv + 218 pp.; ill.; bibl.; index.) New York:

New York Public Library and Oxford University Press, 2004. ISBN: 0195177355.

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1394. JACOB, Margaret C. *Strangers Nowhere in the World: The Rise of Cosmopolitanism in Early Modern Europe*. (187 pp.; ill.; bibl.; index.) Philadelphia: University of Pennsylvania Press, 2006. ISBN: 0812239334.

"Pays particular attention to the impact of science and merchant life on the emergence of the cosmopolitan ideal." (from the publisher)

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1395. SAUTER, Michael J. "Clockwatchers and Stargazers: Time Discipline in Early Modern Berlin." *Amer. Hist. Rev.* 112 (2007): 685-709.

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340-21. SCIENCE AND ETHICS

1396. JONES, Matthew L. *The Good Life in the Scientific Revolution: Descartes, Pascal, Leibniz, and the Cultivation of Virtue*. (xvi + 384 pp.; ill.; bibl.; index.) Chicago: University of Chicago Press, 2006. ISBN: 0226409546.

340-22. SCIENCE AND POLITICS; SCIENCE AND LAW; SCIENCE AND ECONOMICS

(includes science policy, patronage, international relations)

1397. COOK, Harold J. *Matters of Exchange: Commerce, Medicine, and Science in the Dutch Golden Age*. (xiv + 562 pp.; ill.; maps; bibl.; index.) New Haven: Yale University Press, 2007. ISBN: 9780300117967.

Argues that the activity of Dutch commerce provided a new emphasis on qualities that came to be recognized as relating to the pursuit of natural knowledge, including objectivity and description.

1398. REISS, Timothy J. "'Seated Between the Old World and the New': Geopolitics, Natural Philosophy, and Proficient Method." In *Francis Bacon and the Refiguring of Early Modern Thought*, edited by SOLOMON and MARTIN (2005) [ref. 1385], 223-246. Looks at Bacon's ideas in relation to the European colonial expansionist project during his time.

340-23. SCIENCE AND LITERATURE; SCIENCE AND ART

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1399. CRESSY, David. "Early Modern Space Travel and the English Man in the Moon." *Amer. Hist. Rev.* 111 (2006): 961-982.

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1401. SHACKELFORD, Jole. "Reading Bodies for Epistemology: Art and Science in the Scientific Revolution." *Nuncius* 21 (2006): 133-150.

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340-27. SCIENCE AND GENDER

(for women scientists, look also under specific topics and time periods)

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340-28. SCIENCE AND RELIGION

1405. BRISTOL, Joan Cameron. "From Curing to Witchcraft: Afro-Mexicans and the Mediation of Authority." *J. Colonialism Col. Hist.* 7, no. 1 (2006).

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1406. CAROLINO, Luís Miguel. "Lux ex occidente—Un regard européen sur l'Inde au XVII^e siècle : Athanase Kircher et les récits des missionnaires jésuites sur science et religion indiennes." *Arch. Int. Hist. Sci.* 52 (2002): 102–121.

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1408. CERBU, Thomas, and Michel-Pierre LERNER. "La disgrâce de Galilée dans les *Apes Urbanae* : sur la fabrique du texte de Leone Allacci." *Nuncius* 15 (2000): 589–610.

1409. EKEDAHL, Nils. Essay review. *Lychnos* (2003): 273–278.

Essay review of Febe CRAFOORD, "Låter all ting åhrligha och skickeliga tilgå" (2002).

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1412. MERSENNE, Marin. *L'impiété des déistes*, edited by Dominique DESCOTES. Sources classiques, 65. (727 pp.; bibl.; index.) Paris: Champion, 2005. ISBN: 2745311875.

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1413. MULSOW, Martin. "Idolatry and Science: Against Nature Worship from Boyle to Rüdiger,

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340-29. SCIENCE AND WAR

1418. OSTWALD, Jamel. "Like Clockwork? Clausewitzian Friction and the Scientific Siege in the Age of Vauban." In *Instrumental in War*, edited by WALTON (2005) [ref. 238], 85–118.

1419. THOMAS, Mary M. Essay review. *Aestimatio* 3 (2006): 62–71.

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340-40. SCIENTIFIC INSTITUTIONS

(includes awards and prizes)

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1424. SPARGO, P. E. "Investigating the Site of Newton's Laboratory in Trinity College, Cambridge." *South African Journal of Science* 101 (2005): 315–321.

340-41. SCIENTIFIC INSTRUMENTS
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1425. BENNETT, Jim. "Instruments and Ingenuity." In *Robert Hooke*, edited by COOPER and HUNTER (2006) [ref. 1362], 65–76.

1426. BUCHWALD, Jed Z. "Discrepant Measurements and Experimental Knowledge in the Early Modern Era." *Arch. Hist. Exact Sci.* 60 (2006): 565–649.

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1429. MILLS, Allan, John HENNESSY, and Stephen WATSON. "Hooke's Design for a Driven Equatorial Mounting." In *Robert Hooke*, edited by COOPER and HUNTER (2006) [ref. 1362], 77–88.

1430. MILLS, Allan. "Robert Hooke's 'Universal Joint' and Its Application to Sundials and the Sundial-Clock." *Notes Rec. Roy. Soc. Lond.* 61 (2007): 219–236.

1431. RUDD, M. Eugene. "Chromatic Aberration of Eyepieces in Early Telescopes." *Ann. Sci.* 64 (2007): 1–18.

1432. ZIK, Yaakov. "Kepler and the Telescope." *Nunciatus* 18 (2003): 481–514.

340-42. SCIENCE EDUCATION

(includes history of educational institutions)

1433. MARTI, Hanspeter, and Detlef DÖRING. (Eds.) *Die Universität Leipzig und ihr gelehrtes Umfeld 1680–1780. Texte und Studien.* 6. (508 pp.) Basel: Schwabe, 2004. ISBN: 3796520138.

Includes: Detlef DÖRING, "Das gelehrte Leipzig der Frühaufklärung am Rande und im Umfeld der Universität," 11–53; Urs BOSCHUNG, "Der Leipziger Medizinprofessor Christian Gottlieb Ludwig in seinen Briefen an Albrecht von Haller," 409–445 [ref. 1852].

Reviews: [ref. R896]

340-43. PROFESSIONAL ACTIVITIES OF SCIENTISTS

(includes peer review and scientific publication)

1434. ERNST, Germana, and Eugenio CANONE. "Une lettre retrouvée : Campanella à Peiresc, le 19 juin 1636." *Rev. Hist. Sci.* 55 (2002): 273–285.

1435. LEIBNIZ, Gottfried Wilhelm. *Sämtliche Schriften und Briefe: Dritte Reihe: Mathematischer, naturwissenschaftlicher und technischer Briefwechsel. Bd. 6: 1694 - Juni 1696.* edited by Berlin-Brandenburgischen Akademie der Wissenschaften und der Akademie der Wissenschaften in Göttingen.

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Reviews: [ref. R810]

1436. MÜLLER, Uwe. (Ed.) *Wissenschaft und Buch in der frühen Neuzeit: Die Bibliothek des Schweinfurter Stadtphysicus und Gründers der Leopoldina Johann Laurentius Bausch (1605–1665): Ausstellung des Stadtarchivs Schweinfurt und der Bibliothek Otto Schäfer.* Veröffentlichungen des Stadtarchivs Schweinfurt, 12. (220 pp.; ill.; bibl.) Schweinfurt: Stadtarchiv Schweinfurt, 1998. ISBN: 3926896159.

Reviews: [ref. R992]

340-101. OCCULT SCIENCES; MAGIC

(includes scientific anomalies; see also 111-Astrology and 114-Alchemy)

1437. LYNN, Michael R. "Divining the Enlightenment: Public Opinion and Popular Science in Old Regime France." *Isis* 92 (2001): 34–54.

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1438. WADDELL, Mark A. "Theatres of the Unseen: The Society of Jesus and the Problem of the Invisible in the Seventeenth Century." *Diss. Abstr. Int.* A 67/04 (2006).

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340-102. HISTORY OF PHILOSOPHY; HISTORY OF IDEAS

(includes history of philosophy of science)

1439. ABLONDI, Fred. *Gerauld de Cordemoy: Atomist, Occasionalist, Cartesian.* Marquette Studies in Philosophy, 44. (127 pp.; bibl.; index.) Milwaukee, Wis.: Marquette University Press, 2005. ISBN: 0874626676.

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1440. BARBOUR, Reid. "Bacon, Atomism, and Imposture: The True and the Useful in History, Myth, and Theory." In *Francis Bacon and the Refiguring of Early Modern Thought*, edited by SOLOMON and MARTIN (2005) [ref. 1385], 17–43.

1441. BLANCHARD, Jean-Vincent. *L'optique du discours au XVII^e siècle : De la rhétorique des Jésuites au style de la raison moderne (Descartes, Pascal).* Les collections de la République des lettres. Etudes. (xii + 309 pp.; ill.; index; bibl.) Saint-Nicolas, Québec: Presses de l'Université Laval, 2005. ISBN: 2763782582.

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1442. BROWN, Deborah J. *Descartes and the Passionate Mind.* (xi + 231 pp.; bibl.; index.) Cambridge; New York: Cambridge University Press, 2006. ISBN: 0521857287.

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1444. DAVENPORT, Anne A. "Scotus as the Father of Modernity. The Natural Philosophy of the English Franciscan Christopher Davenport in 1652." *Early Sci. Med.* 12 (2007): 55–90.

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1450. DUCHEYNE, Steffen. "Newton's Training in the Aristotelian Textbook Tradition: From Effects to Causes and Back." *Hist. Sci.* 43 (2005): 217–237.

1451. DUCHEYNE, Steffen. "Virtuosi at Work: Historical-Philosophical Essays on Causality and Methodology in the Natural Philosophy of Galileo, Huygens and Newton." *Diss. Abstr. Int. C* 67/04 (2006): 1032.

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1454. JENKINSON, Matt. "Nathanael Vincent and Confucius's 'Great Learning' in Restoration England." *Notes Rec. Roy. Soc. Lond.* 60 (2006): 35–47.

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1457. MACLEAN, Ian. "The 'Sceptical Crisis' Reconsidered: Galen, Rational Medicine and the Lib-

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1458. MATTON, Sylvain. *Autour de la "grande expérience" de Pascal : Trois médecins philosophes du XVII^e siècle : Pierre Mosnier, G. B. de Saint-Romain, Guillaume Lamy*. Libre pensée et littérature clandestine, 21. (206 pp.; ill.; bibl.; index.) Paris: Champion, 2004. ISBN: 2745310186.

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340-103. MATHEMATICS

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340-110. ASTRONOMY AND COSMOLOGY

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340-112. PHYSICS; EXACT SCIENCES, GENERAL WORKS

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1533. SLOWIK, Edward. "The 'Dynamics' of Leibnizian Relationism: Reference Frames and Force in Leibniz's Plenum." *Stud. Hist. Phil. Mod. Phys.* 37 (2006): 617–634.

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340-113. CHEMISTRY

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340-114. ALCHEMY

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1541. TELLE, Joachim. "Zur Alchemiegeschichte vom Spätmittelalter bis zum Anfang des 17. Jahrhunderts." *Early Sci. Med.* 11 (2006): 336–344.

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340-120. EARTH AND ATMOSPHERIC SCIENCES, GENERAL WORKS
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340-121. GEOGRAPHY; CARTOGRAPHY; EXPLORATION

1552. ALLEN, David Y. "French Mapping of New York and New England, 1604-1760." *Coord. Online J. Map Geog. Round Table Ser. A*, no. 1 (2005).

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1555. DANKU, Gyuri, and Zoltán SÜMEGHY. "The Dancerts *Atlas*: The Production and Chronology of Its Maps." *Imago Mundi* 59 (2007): 43–77.

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1556. EDWARDS, Jess. *Writing, Geometry, and Space in Seventeenth-Century England and America: Circles in the Sand*. Routledge Studies in Renaissance Literature and Culture, 5. (x + 166 pp.; ill.; bibl.; index.) New York: Routledge, 2006. ISBN: 041532341X.

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Reviews: [ref. R381]

1557. GOLVERS, Noël. "Jesuit Cartographers in China: Francesco Brancati, S. J., and the Map (1661?) of Sungchiang Prefecture (Shanghai)." *Imago Mundi* 52 (2000): 30–42.

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See also Engelbert KAEMPFFER, *Briefe 1683–1715* edited by Detlef HABERLAND. (2001); Engelbert KAEMPFFER, *Zeichnungen japanischer Pflanzen* edited by Brigitte HOPPE and Petra-Andrea HINZ. (2003) [ref. 1586]; Engelbert KAEMPFFER, *Engelbert Kaempfer in Siam* edited by B. J. TERWIEL. (2003); Engelbert KAEMPFFER, *Notitiae Malabaricae* edited by Albertine GAUR. (2003); Engelbert KAEMPFFER, *Russlandtagebuch 1683* edited by Michael SCHIPPAN. (2003).

1559. LYNCH, William T. "Surveying and the Cromwellian Reconquest of Ireland." In *Instrumental in War*, edited by WALTON (2005) [ref. 238], 47–84.

1560. MOORE, John N. "John Adair's Contribution to the Charting of the Scottish Coasts: A Re-Assessment." *Imago Mundi* 52 (2000): 43–65.

1561. NAYAR, Pramod K. "Marvelous Excesses: English Travel Writing and India, 1608-1727." *J. Brit. Stud.* 44 (2005): 213–238.

340-122. NATURAL HISTORY

1562. ALLMON, Warren D. "The Evolution of Accuracy in Natural History Illustration: Reversal of Printed Illustrations of Snails and Crabs in Pre-Linnaean Works Suggests Indifference to Morphological Detail." *Arch. Natur. Hist.* 34 (2007): 174–191.

1563. COOPER, Alix. *Inventing the Indigenous: Local Knowledge and Natural History in Early Modern Europe*. (xiii + 218 pp.; ill.; bibl.; index.) Cambridge: Cambridge University Press, 2007. ISBN: 0521870879.

On efforts to promote local and indigenous European knowledge of nature in reaction to exotica from abroad.

1564. GRINDLE, Nick. "'No Other Sign or Note Than the Very Order': Francis Willughby, John Ray and the Importance of Collecting Pictures." *J. Hist. Collect.* 17 (2005): 15–22.

Focusing on drawings of birds and fish, the essay argues that during the 17th century "it was only in the context of a collection that pictures began to take on epistemological significance." (from the abstract)

1565. KILLEEN, Kevin. "The Doctor Quarrels with Some Pictures": Exegesis and Animals in Thomas Browne's *Pseudodoxia epidemica*." *Early Sci. Med.* 12 (2007): 1–27.

1566. SEIBOLD-BULTMANN, Ursula. "Science and Natural History in Dresden's *Kupferstichkabinett*." *Interdiscipl. Sci. Rev.* 29 (2004): 228–230.

Describes some of the manuscripts held in this archive.

1567. VALLEDOR DE LOZOYA, Arturo. "An Unnoticed Painting of a White Dodo." *J. Hist. Collect.* 15 (2003): 201–210.

Regarding an oil painting by the 16th–17th century painter Roelandt Savery.

1568. YEO, Richard. "Between Memory and Paperbooks: Baconianism and Natural History in Seventeenth-Century England." *Hist. Sci.* 45 (2007): 1–46.

On the role of memory versus recording information in notebooks.

340-130. BIOLOGICAL SCIENCES, GENERAL WORKS

1569. ANSTEY, Peter R. "Boyle on Seminal Principles." *Stud. Hist. Phil. Biol. Biomed. Sci.* 33 (2002): 597–630.

Examines "Boyle's writings on seminal principles or seeds ... [in his] account of creation, the generation of plants and animals, spontaneous generation, the generation of minerals and disease." (from the abstract)

1570. ARTHUR, Richard T. W. "Animal Generation and Substance in Sennert and Leibniz." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 147–174.

1571. BLANK, Andreas. "Composite Substance, Common Notions, and Kenelm Digby's Theory of Animal Generation." *Sci. Context* 20 (2007): 1–20.

1572. BOYLE, Deborah. "Spontaneous and Sexual Generation in Conway's *Principles*." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 175–193.

1573. DES CHENE, Dennis. "Animal as Category: Bayle's 'Rorarius.'" In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 215–231.

1574. DES CHENE, Dennis. "Mechanisms of Life in the Seventeenth Century: Borelli, Perrault, Régis." Part of a special issue: "Mechanisms in Biology" [ref. 427]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 36 (2005): 245–260.

1575. GIGLIONI, Guido. "The Hidden Life of Matter: Techniques for Prolonging of Life in the Writings of Francis Bacon." In *Francis Bacon and the Refiguring of Early Modern Thought*, edited by SOLOMON and MARTIN (2005) [ref. 1385], 129–144.

1576. MANNING, Gideon. "Descartes' Philosophy of Biology." *Diss. Abstr. Int. A* 67/09 (2007).

Dissertation at The University of Chicago, 2006. Adviser: Garber, Daniel. UMI pub. no. 3231429. 239 pp.

1577. PYLE, Andrew. "Malebranche on Animal Generation: Preexistence and the Microscope." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 194–214.

340-131. BOTANY (includes plant sciences)

1578. ANSTEY, Peter R., and Stephen A. HARRIS. "Locke and Botany." *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 151–171.

1579. BROUWER, Christine Elisabeth. *Anatomische sekse als uitvinding in de botanie: hoe stampers tot vrouwelijke en meeldraden tot mannelijke geslachtsorganen werden (1675-1735)*. (391 pp.; ill.) Proefschrift Universiteit van Amsterdam, 2004. ISBN: 9080838314.

Published dissertation. With summary in English and French.

Reviews: [ref. R161]

1580. FOLEY, M. J. Y. "Christopher Merrett's *Pinax rerum naturalium britannicarum* (1666): Annotations to What Is Believed to Be the Author's Personal Copy." *Arch. Natur. Hist.* 33 (2006): 191–201.

1581. GELLHAUSEN, Ulrich Völler von. *Florilegium, das ist: Ein Blumen Buch*. Introduction by Werner DRESENDÖRFER. Meisterwerke der Buchillustration. (CD-ROM.) Erlangen: Harald Fischer, 2003. ISBN: 389131423X.

Digitized version of original 1616 edition published in Frankfurt.

Reviews: [ref. R485]

1582. GOLDBAR, Anne. *Tulipmania: Money, Honor, and Knowledge in the Dutch Golden Age*. (xx + 425 pp.; ill.; maps; bibl.; index.) Chicago: University of Chicago Press, 2007. ISBN: 9780226301259.

1583. HOPPE, Brigitte. "The First European Collections of Japanese Plants." *Arch. Int. Hist. Sci.* 53 (2003): 35–44.

1584. HOPPE, Brigitte. "The Transmission of Knowledge on East-Asiatic Plants to Europe in Early Modern Times." Part of special section: "International Networks, Exchange and Circulation of Knowledge in Life Sciences, 18th to 20th Centuries" [ref. 434]. *Arch. Int. Hist. Sci.* 56 (2006): 165–183.

The focus of this article is on 17th- and 18th-century explorers to Japan.

1585. IBÁÑEZ, Neus, Josep M. MONTERRAT, Ignasi SORIANO, and Josep M. CAMARASA. "Plant Material Exchanged between James Petiver (ca. 1663–1718) and Joan Salvador I Riera (1683–1725). I. The Balearic plants conserved in the BC-Salvador and BM-Sloane herbaria." *Notes Rec. Roy. Soc. Lond.* 60 (2006): 241–248.

1586. KAEMPFFER, Engelbert. *Zeichnungen japanischer Pflanzen*. edited by Brigitte HOPPE and Petra-Andrea HINZ. Werke: Bd. 3. (xxxv + 1005 pp.; ill.; bibl.; index.) München: Ludicum, 2003. ISBN: 3891299338.

See also: Engelbert KAEMPFFER, *Heutiges Japan* edited by Detlef HABERLAND, Wolfgang

MICHEL, Elisabeth GÖSSMANN, and B. J. TER-WIEL. (2001) [ref. 1558].

1587. KLEMUN, Marianne. "Globaler Pflanzentransfer und seine Transferinstanzen als Kultur-, Wissens- und Wissenschaftstransfer der frühen Neuzeit." *Ber. Wissenschaftsgesch.* 29 (2006): 205–223.

1588. ZISER, Michael. "Sovereign Remedies: Natural Authority and the *Counterblaste to Tobacco*." *William Mary Quart.* 62 (2005): 719–744.

On the cultural roles and meanings of tobacco in the early modern world.

340-132. ZOOLOGY

(includes animal anatomy and physiology; for primatology, see 135-Physical anthropology)

1589. LENNOX, James G. "The Comparative Study of Animal Development: William Harvey's Aristotelianism." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 21–46.

340-133. HEREDITY; GENETICS; EVOLUTION

(for genetic engineering, see 134-Microbiology)

1590. DRAKE, Ellen Tan. "Hooke's Ideas of the Terraqueous Globe and a Theory of Evolution." In *Robert Hooke*, edited by COOPER and HUNTER (2006) [ref. 1362], 135–149.

1591. FISHER, Saul. "The Soul as Vehicle for Genetic Information: Gassendi's Account of Inheritance." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 103–123.

1592. SMITH, Justin E. H. "Imagination and the Problem of Heredity in Mechanist Embryology." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 80–99.

340-136. NEUROSCIENCE

(see also 151-Psychiatry)

1593. ROUSSEAU, George S. *Nervous Acts: Essays on Literature, Culture and Sensibility*. (xii + 395 pp.; bibl.; index.) Houndmills/New York: Palgrave Macmillan, 2004. ISBN: 1403934533.

Reprints previously published essays, especially about the role of nervous physiology in Enlightenment literature and history.

Reviews: [ref. R1166]

340-137. PSYCHOLOGY; COMPARATIVE PSYCHOLOGY

(includes sociobiology, animal behavior, evolutionary psychology; for clinical psychology, see also 151-Psychiatry)

1594. BLANK, Andreas. "Atoms and Minds in Walter Charleton's Theory of Animal Generation." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 124–143.

1595. FUDGE, Erica. *Brutal Reasoning: Animals, Rationality, and Humanity in Early Modern England*. (x + 224 pp.; ill.; bibl.; index.) Ithaca, NY: Cornell University Press, 2006. ISBN: 9780801444548.

1596. HATFIELD, Gary. "The *Passions of the Soul* and Descartes's Machine Psychology." *Stud. Hist. Phil. Sci.* 38 (2007): 1–35.

1597. HOEFER, Bernadette. "'I feel, therefore I am': Psychosomatic Manifestations in Seventeenth-Century French Literature." *Diss. Abstr. Int.* A 66/11 (2006): 4041.

Dissertation at Rutgers University, 2005. Adviser: Horowitz, Louise. UMI pub. no. 3195689. 338 pp. Focus on the influence of Spinoza's ideas in France.

340-140. SOCIAL SCIENCES, GENERAL WORKS (includes criminology, demography, etc.)

1598. MCCORMICK, Ted. "Alchemy in the Political Arithmetic of Sir William Petty (1623–1687)." *Stud. Hist. Phil. Sci.* 37 (2006): 290–307.

Explores Petty's "political preoccupation with 'transmuting the Irish into English' by state manipulation of demography." (from the abstract)

340-142. CULTURAL ANTHROPOLOGY

1599. MATTOS, Hebe. "'Pretos' and 'Pardos' between the Cross and the Sword: Racial Categories in Seventeenth-Century Brazil." *Rev. Eur. Est. Latin Amer. Carib.* No. 80 (2006): 43–55.

340-144. LINGUISTICS

1600. HELMONT, Franciscus Mercurius van. *The Alphabet of Nature*. Translated with an introduction and annotations by Allison P. COUDERT and Taylor CORSE. Aries Book Series, 3. (xlvii + 213 pp.; ill.; bibl.; index.) Leiden; Boston: Brill, 2007. ISBN: 9789004152304.

Van Helmont's treatise on the nature of language.

1601. TILLERY, Denise. "Engendering the Language of the New Science: The Subject of John Wilkin's Language Project." *Eighteenth Cent. Theory Interpr.* 46 (2005): 59–79.

340-145. ARCHAEOLOGY

1602. POLIGNAC, François de. "Francesco Bianchini et les 'cardinaux antiquaires'. Archéologie, science et politique." In *Francesco Bianchini (1662–1729) und die europäische gelehrte Welt um 1700*, edited by KOCKEL et al. (2005) [ref. 1372], 165–178.

340-146. HISTORY

1603. LEVY, Fritz. "Francis Bacon, *The Advancement of Learning*, and Historical Thought." In *Francis Bacon and the Refiguring of Early Modern Thought*, edited by SOLOMON and MARTIN (2005) [ref. 1385], 203–221.

340-150. MEDICAL SCIENCES, GENERAL WORKS (includes human anatomy and physiology; see also 135-Physical anthropology)

1604. ANAGNOSTOU, Sabine. "Jesuit Missionaries in Spanish America and the Transfer of Medical-Pharmaceutical Knowledge." *Arch. Int. Hist. Sci.* 52 (2002): 176–197.

1605. ARNOLD, Ken. "Skulls, Mummies, and Unicorns' Horns: Medicinal Chemistry in Early English

Museums." In *Enlightening the British*, edited by ANDERSON et al. (2003) [ref. 1688], 74–80.

1606. AUCANTE, Vincent. *La philosophie médicale de Descartes*. Science, histoire et société. (xxi + 472 pp.; ill.; bibl.) Paris: Presses universitaires de France, 2006. ISBN: 2130551165.

Reviews: [ref. 1621]

1607. BIRKEN, William. "Merton Revised: English Independency and Medical Conservatism in the Seventeenth Century." In *Textual Healing*, edited by FURDELL (2005) [ref. 1133], 259–283.

1608. BLÉCOURT, Willem de, and Cornelia USBORNE. (Eds.) *Cultural Approaches to the History of Medicine: Mediating Medicine in Early Modern and Modern Europe*. (xxiii + 241 pp.; ill.; bibl.; index.) New York: Palgrave Macmillan, 2004. ISBN: 1403915695.

1609. CAREY, Daniel. "The Political Economy of Poison: The Kingdom of Makassar and the Early Royal Society." *Renaiss. Stud.* 17 (2003): 517–543.

"Obtaining knowledge of the effects and antidotes of the poison potentially strengthened the position of the English against their key rivals." (from the abstract)

1610. CHURCHILL, Wendy D. "The Medical Practice of the Sexed Body: Women, Men, and Disease in Britain, circa 1600–1740." *Soc. Hist. Med.* 18 (2005): 3–22.

1611. COOPER, Tim. "Richard Baxter and His Physicians." *Soc. Hist. Med.* 20 (2007): 1–19.

Explores how the ill health shaped the theology and literary style of this Puritan pastor in 17th-century England.

1612. CURTH, Louise Hill. "The Medicinal Value of Wine in Early Modern England." *Soc. Hist. Alcohol Drugs* 18 (2003): 35–50.

1613. EGMOND, Florike, and Robert ZWIJNENBERG. (Eds.) *Bodily Extremities: Preoccupations with the Human Body in Early Modern European Culture*. (viii + 235 pp.; ill.; bibl.; index.) Burlington, VT: Ashgate, 2003. ISBN: 0754607267.

Partial contents: Daniela BOHDE, "Skin and the Search for the Interior: The Representation of Flaying in the Art and Anatomy of the Cinquecento," 10–47; Florike EGMOND, "Execution, Dissection, Pain, and Infamy: A Morphological Investigation," 92–128; Paul SMITH, "Dissecting Quaresmeprenant: Rabelais' Representation of the Human Body: A Rhetorical Approach," 129–147; Peter MASON, "Reading New World Bodies," 148–167; José Pardo TOMÁS, "Physicians' and Inquisitors' Stories? Circumcision and Crypto-Judaism in Sixteenth–Eighteenth-Century Spain," 168–194.

Reviews: [ref. R383]

1614. FURDELL, Elizabeth Lane. "Willis and Sydenham on Diabetes: Discovery and Debate in Early Modern English Medicine." In *Textual Healing*, edited by FURDELL (2005) [ref. 1133], 241–258.

1615. HEYMAN, Jacques. "Hooke and Bedlam." In *Robert Hooke*, edited by COOPER and HUNTER (2006) [ref. 1362], 153–164.

On Hooke's employment as architect for the new Bethlehem Hospital from 1674–76.

1616. HOMEI, Aya. "Birth Attendants in Meiji Japan: The Rise of a Medical Birth Model and the New Division of Labour." *Soc. Hist. Med.* 19 (2006): 407–424.

1617. HOWARD, Sharon. "Imagining the Pain and Peril of Seventeenth-Century Childbirth: Travail and Deliverance in the Making of an Early Modern World." *Soc. Hist. Med.* 16 (2003): 367–382.

1618. KNOEFF, Rina. "Over 'Het kunstige, toch verderfelyke gestel'. Een cultuurhistorische interpretatie van Bidloos anatomische atlas." *Gewina* 26 (2003): 189–202.

On a debate between Frederik Ruysch and Govard Bidloo on morality and metaphor in anatomical displays.

1619. KRÄMER, Fabian. "Die Individualisierung des Hermaphroditen in Medizin und Naturgeschichte des 17. Jahrhunderts." *Ber. Wissenschaftsgesch.* 30 (2007): 49–65.

1620. LIEBURG, M. J. van. *Nieuw licht op Hendrik van Deventer (1651-1724)*. Erasmus Medical Historical Papers, 1. (120 pp.; ill.; bibl.) Rotterdam: Erasmus, 2002. ISBN: 9052351635.

Reviews: [ref. R830]

1621. MANNING, Gideon. "Out on the Limb: The Place of Medicine in Descartes' Philosophy." *Early Sci. Med.* 12 (2007): 214–222.

Essay review of Vincent AUCANTE, *La philosophie médicale de Descartes* (2006) [ref. 1606].

1622. MCMAHON, Vanessa. "Reading the Body: Dissection and the 'Murder' of Sarah Stout, Hertfordshire, 1699." *Soc. Hist. Med.* 19 (2006): 19–35.

1623. McTAVISH, Lianne. "On Display: Portraits of Seventeenth-Century French Men-Midwives." *Soc. Hist. Med.* 14 (2001): 389–415.

1624. PHILLIPS, Patrick. "'Fleshes Rage': Ben Jonson and the Plague." *Diss. Abstr. Int. A* 67/02 (2006).

Dissertation at New York University, 2006. Adviser: Gilman, Ernest B. UMI pub. no. 3205671. 219 pp.

1625. RUPP, Jan C. C. "Het theatrum anatomicum: publiekscommunicatief fossiel of 'archetype.'" Part of a special issue: "Geschiedenis van de medische publiekscommunicatie" [ref. 561]. *Gewina* 25 (2002): 191–209.

1626. SIEGEMUND, Justine. *The Court Midwife*. Edited and translated from the German by Lynne TATLOCK. The Other Voice in Early Modern Europe. (xxxi + 260 pp.; ill.; bibl.; index.) Chicago: University of Chicago Press, 2005. ISBN: 0226757080.

Translation of a relatively rare female authored 17th-century obstetrical text.

Reviews: [ref. R1264]

1627. STOLBERG, Michael. *Homo patiens: Krankheits- und Körpererfahrung in der Frühen Neuzeit*. (303 pp.; bibl.; index.) Köln: Böhlau, 2003. ISBN: 3412162027.

Reviews: [ref. R1324]

1628. THOMAS, Samuel S. "Midwifery and Society in Restoration York." *Soc. Hist. Med.* 16 (2003): 1–16.

1629. TUCKER, Holly. *Pregnant Fictions: Childbirth and the Fairy Tale in Early-Modern France*.

(xiii + 213 pp.; ill.; bibl.; index.) Detroit: Wayne State University Press, 2003. ISBN: 0814330428.

Reviews: [ref. R1369]

1630. WALLIS, Patrick. "Plagues, Morality and the Place of Medicine in Early Modern England." *Engl. Hist. Rev.* 121 (2006): 1–24.

1631. WILSON, Phillip K. "Erasmus Darwin and the 'Noble' Disease (Gout): Conceptualizing Heredity and Disease in Enlightenment England." In *Heredity Produced*, edited by MÜLLER-WILLE and RHEINBERGER (2007) [ref. 480], 133–154.

1632. WORCESTER, Thomas. "A Defensive Discourse: Jesuits on Disease in Seventeenth-Century New France." *French Col. Hist.* 6 (2005): 1–15.

340-152. PUBLIC HEALTH; HEALTH; NUTRITION

1633. COCKAYNE, Emily. *Hubbub: Filth, Noise and Stench in England*. (xiv + 335 pp.; ill.; bibl.; index.) New Haven: Yale University Press, 2007. ISBN: 9780300112146.

340-160. TECHNOLOGY, GENERAL WORKS

(includes architecture)

1634. FERREIRO, Larrie D. *Ships and Science: The Birth of Naval Architecture in the Scientific Revolution, 1600–1800*. Transformations: Studies in the History of Science and Technology. (xxiv + 441 pp.; ill.; bibl.; index.) Cambridge, MA: MIT Press, 2007. ISBN: 0262062593.

Begins with the work *Traité du navire* by the French astronomer Pierre Bouguer to explore the thesis that the birth of naval architecture formed an integral part of the Scientific Revolution in the 17th and 18th centuries.

1635. GOUDEAU, Jeroen, and Sarah-Jane JAEGLI-WOODHOUSE. *Nicolaus Goldmann (1611-1665) en de wiskundige architectuurwetenschap*. (669 pp.; index; ill.) Groningen: Philip Elchers, 2005. ISBN: 9050480888.

Reviews: [ref. R518]

1636. HUDGINS, Carter C. "Articles of Exchange or Ingredients of New World Metallurgy? An Examination of the Industrial Origins and Metallurgical Functions of Scrap Copper at Early Jamestown (c. 1607-17)." *Early Amer. Stud.* 3 (2005): 32–64.

1637. KING, Peter. "The Production and Consumption of Bar Iron in Early Modern England and Wales." *Econ. Hist. Rev.* 58 (2005): 1–33.

1638. KOCKEL, Valentin. "*Ichnographia—Orthographia—Scaenographia* Abbildungsmodi antiker Architektur am Beispiel des 'Columbarium der Liberti der Livia.'" In *Francesco Bianchini (1662-1729) und die europäische gelehrte Welt um 1700*, edited by KOCKEL et al. (2005) [ref. 1372], 107–133.

1639. LAPERLE, Dominique. *Le grain, la meule et les vents : Le métier de meunier en Nouvelle-France*. (127 pp.; ill.; bibl.) Sainte-Foy, Québec: Éditions GID, 2003. ISBN: 2922668193.

Reviews: [ref. R794]

1640. LOUW, Hentie. "The 'Mechanick Artist' in Late Seventeenth-Century English and French Architecture: The Work of Robert Hooke, Christopher Wren and Claude Perrault Compared as Products of an Interactive Science/Architecture Relationship."

In *Robert Hooke*, edited by COOPER and HUNTER (2006) [ref. 1362], 181–199.

1641. STEVIN, Simon. "*De Huysbou*": A Reconstruction of an Unfinished Treatise on Architecture, Town Planning and Civil Engineering by Simon Stevin. edited by Charles van den HEUVEL. History of Science and Scholarship in the Netherlands, 7. (x + 545 pp.; ill.; bibl.; index.) Amsterdam: Koninklijke Nederlandse Akademie van Wetenschappen, 2005. ISBN: 906984432X.

On the little known work of this mathematician done during the last 20 years of his life.

Reviews: [ref. R1322]

340-161. COMPUTERS; COMMUNICATION TECHNOLOGIES

(includes information sciences)

1642. RATCLIFF, J. R. "Samuel Morland and His Calculating Machines c. 1666: The Early Career of a Courtier-Inventor in Restoration London." *Brit. J. Hist. Sci.* 40 (2007): 159–179.

340-163. AGRICULTURE AND RELATED SCIENCES

(includes animal husbandry, forestry, and food science)

1643. CURTH, Louise Hill. "The Care of the Brute Beast: Animals and the Seventeenth-Century Medical Marketplace." *Soc. Hist. Med.* 15 (2002): 375–392.

1644. TRIVISANI-MOREAU, Isabelle. "Bois et forêts dans l'univers romanesque de la seconde moitié du XVII^e siècle." *XVII^e Siècle* 57 (2005): 29–39.

350. EIGHTEENTH CENTURY

(includes topics stretching into the 19th century)

350-1. GENERAL HISTORIES OF SCIENCE

(includes interdisciplinary topics and biographies of scientists)

1645. ANDERSON, Robert. "Joseph Priestley: Public Intellectual." *Chem. Heritage* 23, no. 1 (2005): 6–9, 36–38.

1646. ANDREW, Edward. *Patrons of Enlightenment*. (284 pp.; bibl.; index.) Toronto: University of Toronto Press, 2006. ISBN: 0802090648.

"Compares the patron-client relationships in the French, English, and Scottish republics of letters." (from the publisher)

Reviews: [ref. R22]

1647. ARBOLEDA, Luis Carlos, and Diana Soto ARANGO. "Modern Scientific Thought in Santa Fe, Quito, and Caracas, 1736-1803." In *Science in Latin America*, by SALDAÑA (2006) [ref. 33], 93–122.

1648. BOHLEY, Johanna. *Christian Gottfried Nees von Esenbeck: Ein Lebensbild*. Acta Historica Leopoldina, 42. (244 pp.; ill.; bibl.; index.) Halle (Saale): Deutsche Akademie der Naturforscher Leopoldina, 2003. ISBN: 3804720757.

Reviews: [ref. R117]

1649. BREIDBACH, Olaf, and Gian Franco FRIGO. "Zur Rezeption der Naturforschung des mitteleuropäischen Raumes an der Universität Padua zwischen 1770 und 1820." *Sudhoffs Arch.* 88 (2004): 32–53.

1650. DARWIN, Erasmus. *The Collected Letters of Erasmus Darwin*. edited by Desmond KING-HELE. (xxiii + 630 pp.; ill.; bibl.; index.) Cambridge: Cambridge University Press, 2007. ISBN: 0521821568.

1651. DETLEFSEN, Karen. "Explanation and Demonstration in the Haller-Wolff Debate." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 235–261.

1652. FAUQUE, Danielle. "Du bon usage de l'éloge : cas de celui de Pierre Bouguer." *Rev. Hist. Sci.* 54 (2001): 351–382.

Focuses on the 1758 biography of Bouguer (a member of the Académie des Sciences), *Éloge de M. Bouguer* by Grandjean de Fouchy.

1653. FITZPATRICK, Martin. (Ed.) *Enlightenment World*. Routledge Worlds. (xxi + 714 pp.; ill.; bibl.; index.) London: Routledge, 2004. ISBN: 0415215757.

Contents: John HENRY, "Science and the Coming of Enlightenment"; Peter SCHOOLS, "The Quest for Philosophical Certainty"; Aaron GARRETT, "Enquiry, Scepticism and Enlightenment"; Clare JACKSON, "Progress and Optimism"; Christa KNELLWOLF, "The Science of Man"; Johnson Kent WRIGHT, "Historical Writing in the Enlightenment World"; Larry STEWART, "Science and the Eighteenth-Century Public: Scientific Revolutions and the Changing Format of Scientific Investigation"; John SWEETMAN, "Nature and Art in Enlightenment Culture"; Richard YEO, "Encyclopaedism and Enlightenment"; Carla HESSE, "Print Culture in the Enlightenment"; Kathryn SUTHERLAND, "The New Economics of the Enlightenment."

1654. GOLD, Matthew K. "The Culture of Proof: Science, Religion, and Photography in America, 1780–1875." *Diss. Abstr. Int. A* 67/08 (2007).

Dissertation at City University of New York, 2006. Adviser: Richardson, Joan T. UMI pub. no. 3232030. 234 pp.

1655. GROULT, Martine, and Sylvain AUROUX. (Eds.) *L'encyclopédie ou la création des disciplines*. (344 pp.; ill.; bibl.; index.) Paris: CNRS, 2003. ISBN: 2271061717.

Reviews: [ref. R545]

1656. ISSITT, John. *Jeremiah Joyce: Radical, Dissenter and Writer*. Science, Technology and Culture, 1700–1945. (xv + 185 pp.; ill.; bibl.; index.) Burlington, VT: Ashgate, 2006. ISBN: 0754638006.

Joyce was "one of the very few artisans at the end of the eighteenth century adopted by the literary and scientific intelligentsia," as well as a science writer, and political activist. (from the publisher)

1657. JUŽNIČ, Stanislav. *Gabriel Gruber: Od ljubljanskega prekopa do jezuitskega generala*. Translated title: [Gabriel Gruber: From Ljubljana canal to Jesuit general]. In Slovenian. (216 pp.; ill.; bibl.; index.) Ljubljana: Družina, 2006. ISBN: 9612226075.

On the 18th-century Austrian-born Jesuit, whose work on hydromechanics, navigation, and optics is explored in this volume.

1658. KÖLVING, Ulla, and Irène PASSERON. (Eds.) *Sciences, musiques, lumières : mélanges offerts à Anne-Marie Chouillet*. Publications du Centre international d'étude du XVIII^e siècle, 2. (xxv + 634 pp.; ill.; bibl.; index.) Ferney-Voltaire, France: Centre international d'étude du XVIII^e siècle, 2002. ISBN: 284559013X.

Divided into four main sections: I. Mathématiciens et philosophes, II. Musiques, III. Origines, organisation et diffusion des idées, IV. Histoire des textes et des livres. Partial contents: Bernard BRU, "Des fraises et des oranges," 3–10 [ref. 1729]; Laurent LOTY, "Mathématiques et théologie : le concours sur l'optimisme de l'Académie de Berlin (1755) : collision des degrés de perfection et collusions entre foi, raison, salut, bonheur, grandeurs négatives, morale, économie et politique," 11–36 [ref. 1733]; Blake T. HANNA, "D'Alembert à l'université," 37–45 [ref. 1702]; Robert GRANDEROUTE, "A propos de l'enseignement des sciences au XVIII^e siècle ou 'Le mot algèbre n'effraie plus que les idiots,'" 47–57 [ref. 1701]; Michel PATY, "Une métaphysique du mouvement au temps de D'Alembert : la théorie du monde du chevalier François de Vivens," 59–81 [ref. 1761]; Marc MASSOT and Alain COSTE, "La notion de fluide chez D'Alembert à la lumière des *Opuscules mathématiques* et de la correspondance," 83–91 [ref. 1751]; Jérôme VIARD, "D'Alembert et le langage scientifique : l'exemple de la force, un malentendu qui perdure," 93–106 [ref. 1663]; Christian GILAIN, "La préface de Condorcet à ses *Essais d'analyse* de 1768," 107–113; Alain CERNUSCHI, "Cordes sonores, cordes vocales, cordes vibrantes... : Du statut de l'acoustique au milieu du XVIII^e siècle," 115–125 [ref. 1749]; Pierre CRÉPEL, "Quelques voyages d'Italiens réussis ou six encyclopédistes réunis par leurs correspondances," 127–143; Pierre CHARTIER, "Le rêve de Diderot et D'Alembert," 145–151; Colas DUFLO, "Les joueurs de flûte : Diderot et la philosophie distrayante," 153–161; Véronique LE RU, "L'*Encyclopédie* ou l'occasion de philosophe," 163–172 [ref. 1720]; Lucette PEROL, "Le sauvage ni le philosophe ne saurait être insolent" : à propos de quelques articles de Diderot sur la transgression dans l'*Encyclopédie*," 173–184; John O'NEAL, "Parole, désir et savoir : le récit interpolé chez Diderot dans *Jacques le fataliste*," 185–194; Marc BUFFAT, "Dialogue et pensée chez Diderot," 195–202; Philip STEWART, "Le rire chez Diderot," 203–212; Madeleine PINAULT SØRENSEN, "La nature est belle," 213–228 [ref. 1842]; Marie LECA-TSIOMIS, "De l'abari au baobab, ou Diderot naturaliste ironique," 229–238 [ref. 1837]; Clorinda DONATO, "Charles Bonnet et l'*Encyclopédie*," 421–432 [ref. 1707]; Jean-Claude PECKER, "Les astronomes français des Lumières," 433–449 [ref. 1747]; Roger HAHN, "L'image de Newton reconstruite par Laplace," 463–466 [ref. 1756].

Reviews: [ref. R758]

1659. LAMONT-BROWN, Raymont. *Humphry Davy: Life beyond the Lamp*. (xxiii + 199 pp.;

ill.; bibl.; index.) Stroud: Sutton, 2004. ISBN: 0750932317.

Reviews: [ref. R789]

1660. SALDAÑA, Juan José. "Science and Public Happiness during the Latin American Enlightenment." In *Science in Latin America*, by SALDAÑA (2006) [ref. 33], 51–92.

1661. SCHOFIELD, Robert E. "Joseph Priestley, Natural Philosopher." *Bull. Hist. Chem.* 30 (2005): 57–62.

1662. SLOAN, Kim, and Andrew BURNETT. *Enlightenment: Discovering the World in the Eighteenth Century*. (304 pp.; ill.; bibl.; index.) Washington, D.C.: Smithsonian Books; London: British Museum Press, 2003. ISBN: 158834164X.

1663. VIARD, Jérôme. "D'Alembert et le langage scientifique: l'exemple de la force, un malentendu qui perdure." In *Sciences, musiques, lumières*, edited by KÖLVING and PASSERON (2002) [ref. 1658], 93–106.

350-2. NATIONAL CONTEXTS

1664. CHAPLIN, Joyce E. *The First Scientific American: Benjamin Franklin and the Pursuit of Genius*. (x + 421 pp.; ill.; bibl.; maps; index.) New York: Basic Books, 2006. ISBN: 0465009557.

Reviews: [ref. R233]

350-3. SOURCES OF INFORMATION

(includes bibliographies, electronic sources, and works on libraries, archives, and museums)

1665. ANDERSON, Clara. "Blagden Papers at the Royal Society." *Notes Rec. Roy. Soc. Lond.* 61 (2007): 237–238.

Blagden was a chemist and physician as well as Secretary of the Royal Society from 1784 to 1797.

1666. FIEDLER, Horst, and Ulrike LEITNER. *Alexander von Humboldts Schriften: Bibliographie der selbständig erschienenen Werke*. Beiträge zur Alexander-von-Humboldt-Forschung, 20. (xxi + 499 pp.; ill.; bibl.; index.) Berlin: Akademie Verlag, 2000. ISBN: 3050027924.

350-4. ENCYCLOPEDIAS; DICTIONARIES; REFERENCE WORKS

1667. DONATO, Clorinda. "To Have, to Hold, and to Share: Compiling Scientific Knowledge in the Information Age of the Enlightenment." *Ann. Sci.* 62 (2005): 533–538.

Essay review of Richard R. YEO, *Encyclopaedic Visions* (2001).

350-12. STUDIES OF LINGUISTIC AND VISUAL ASPECTS OF SCIENCE

1668. THOMAS, Petra. "'Bilder einer Ausstellung': Das 'Museo Capitolino' und die wissenschaftliche Illustration." In *Francesco Bianchini (1662-1729) und die europäische gelehrte Welt um 1700*, edited by KOCKEL et al. (2005) [ref. 1372], 235–262.

350-20. SCIENCE AND ITS INTERACTION WITH SOCIETY AND CULTURE, GENERAL WORKS
(includes popular culture; popularization of science; public understanding of science)

1669. ARAUJO, Ana Cristina. "European Public Opinion and the Lisbon Earthquake." *Eur. Rev.* 14 (2006): 313–319.

1670. DE MONTLUZIN, Emily Lorraine. "George Smith of Wigton: Gentleman's Magazine Contributor, Unheralded Scientific Polymath, and Shaper of the Aesthetic of the Romantic Sublime." *Eighteenth-Cent. Life* 28, no. 3 (2004): 66–89.

1671. LYNN, Michael R. *Popular Science and Public Opinion in Eighteenth-Century France*. Studies in Early Modern European History. (ix + 177 pp.; bibl.; index.) Manchester: Manchester University Press, 2006. ISBN: 0719073731.

Examines the content, dissemination, status, audience, and settings of popular science, with discussions of popularizers like Jean-Antoine Nollet and scientific clubs like Jean-François Pilâtre de Rozier's Musée de Monsieur.

1672. PERKINS, David. *Romanticism and Animal Rights*. Cambridge Studies in Romanticism, 58. (xvi + 190 pp.; bibl.; index.) New York: Cambridge University Press, 2003. ISBN: 0521829410.

Reviews: [ref. R1069]

1673. RAVEL, Jeffrey S., and Linda ZIONKOWSKI. (Eds.) *Studies in Eighteenth-Century Culture*. Vol. 36. Studies in Eighteenth-Century Culture, 36. (312 pp.; ill.; bibl.) Baltimore: Johns Hopkins University Press, 2007. ISBN: 9780801885983.

Partial contents: Daniel ROSENBERG, "Joseph Priestley and the Graphic Invention of Modern Time"; Mary MCALPIN, "Julie's Breasts, Julie's Scars: Physiology and Character in *La Nouvelle Héloïse*"; Ann B. SHTEIR, "*Flora primavera* or *Flora meretrix*? Iconography, Gender, and Science"; Göran BLIX, "The Occult Roots of Realism: Balzac, Mesmer, and Second Sight."

350-22. SCIENCE AND POLITICS; SCIENCE AND LAW; SCIENCE AND ECONOMICS

(includes science policy, patronage, international relations)

1674. GINSBERG, Judah B. "Priestley, Jefferson, and Adams: The Emigre and American Politics." *Bull. Hist. Chem.* 30 (2005): 92–102.

350-23. SCIENCE AND LITERATURE; SCIENCE AND ART

(includes drama and performing arts)

1675. BRADBURY, Jill Marie. "New Science and the 'New Species of Writing': Eighteenth-Century Prose Genres." *Eighteenth-Cent. Life* 27, no. 1 (2003): 28–51.

1676. BUESCO, Helena Carvalhão. "Seeing too Much: The 1755 Earthquake in Literature." *Eur. Rev.* 14 (2006): 329–338.

1677. CIANCIO, Luca. *Teatro del mutamento: immagini del Tempio di Serapide tra geologia, architettura e pittura di paesaggio (1750–1850)*. Documenti INTERART, 2. (180 pp.; ill.; bibl.; index.) Rovereto: Nicolodi, 2005. ISBN: 8884472180.

Catalog of an exhibition held in Palazzo delle Albere, Museo di arte moderna e contemporanea di Trento e Rovereto, Trento, in 2005/2006.

1678. CUMMINGS, Johanna Mari. "Staging Science: The Invisible Forces in the Plays of Elizabeth Inchbald." *Diss. Abstr. Int. A* 67/06 (2006): 2165.

Dissertation at The University of New Mexico, 2006. Adviser: Woodward, Carolyn. UMI pub. no. 3220928. 167 pp. Regarding the 18th-century English playwright's work that incorporates the invisible sciences of flight, spiritualism, and mesmerism.

1679. DUPRÉ, Sven. Essay review. *Aestimatio* 2 (2005): 24–32.

Available at http://www.ircps.org/publications/aestimatio/pdf/2005-03-01_Dupre.pdf. Essay review of Arnaud MAILLET, *The Claude Glass* (2004).

1680. FARA, Patricia. "Lunar Philosophers." *Endeavour* 31 (2007): 4–6.

On famous and oft-reprinted paintings by Joseph Wright of Derby and what they reveal about his contemporaries in the Lunar Society.

1681. NICKELSEN, Karin. "'On employera les meilleurs Graveurs pour les Figures': Zeichner und Stecher der Berliner Akademie der Wissenschaften, 1700–1806." *Ber. Wissenschaftsgesch.* 29 (2006): 293–323.

1682. NOWKA, Scott Aaron. "Character Matters: Enlightenment Materialism and the Novel." *Diss. Abstr. Int. A* 67/07 (2007): 2593.

Dissertation at The University of Iowa, 2006. Adviser: Gidal, Eric. UMI pub. no. 3225657. 200 pp. Includes an analysis of the work of philosopher David Hartley.

1683. READY, Kathryn J. "'What then, poor Beastie!': Gender, Politics, and Animal Experimentation in Anna Barbauld's 'The Mouse's Petition.'" *Eighteenth-Cent. Life* 28, no. 1 (2004): 92–114.

1684. SCALERA, Giancarlo. "Mattia Damiani (1705–1776), Poet and Scientist in Eighteenth-Century Tuscany." In *The Origins of Geology in Italy*, edited by VAI and CALDWELL (2006) [ref. 364], 141–156.

Damiani was the author of a collection of scientific poems on two subjects: Newtonian physics and the plurality of the worlds.

350-28. SCIENCE AND RELIGION

1685. BASSNETT, Susan. "Faith, Doubt, Aid and Prayer: The Lisbon Earthquake of 1755 Revisited." *Eur. Rev.* 14 (2006): 321–328.

Considers reactions to the earthquake by John and Charles Wesley and how it affected their sermons and hymns; contrasts this with Anglican response to disasters in 2005.

1686. WIGELSWORTH, Jeffrey Robert. "'Their grosser degrees of infidelity': Deists, Politics, Natural Philosophy, and the Power of God in Eighteenth-Century England." *Diss. Abstr. Int. A* 67/10 (2007).

Dissertation at The University of Saskatchewan (Canada), 2006. Pub. no. AAT NR18165. 370 pp.

350-29. SCIENCE AND WAR

1687. PESTRE, Dominique. (Ed.) *Deux siècles d'histoire de l'armement en France : de Gribenval à la force de frappe*. CNRS histoire. (427 pp.; ill.; bibl.) Paris: CNRS éditions, 2005. ISBN: 2271063027.

Reviews: [ref. R1073]

350-40. SCIENTIFIC INSTITUTIONS

(includes awards and prizes)

1688. ANDERSON, R. G. W., M. L. CAYGILL, A. G. MACGREGOR, and L. SYSON. (Eds.) *Enlightening the British: Knowledge, Discovery and the Museum in the Eighteenth Century*. (x + 195 pp.; ill.; bibl.; index.) London: British Museum Press, 2003. ISBN: 071451010X.

Contents: Giles WATERFIELD, "Anticipating the Enlightenment: Museums and Galleries in Britain before the British Museum," 5–10; Debora J. MEIJERS, "Sir Hans Sloane and the European Proto-Museum," 11–17; Richard YEO, "Encyclopaedic Collectors: Ephraim Chambers and Sir Hans Sloane," 29–36; David MCKITTERICK, "Wantonness and Use: Ambitions for Research Libraries in Early Eighteenth-Century England," 37–48; Lisa JARDINE, "Paper Monuments and Learned Societies: Hooke's Royal Society Repository," 49–54; Robert ANDERSON, "The Status of Instruments in Eighteenth-Century Cabinets," 55–61 [ref. 1698]; Ken ARNOLD, "Skulls, Mummies, and Unicorns' Horns: Medicinal Chemistry in Early English Museums," 74–80 [ref. 1605]; Hugh S. TORRENS, "Natural History in Eighteenth-Century Museums in Britain," 81–91 [ref. 1846]; Bengt JONSELL, "Linnaeus, Solander and the Birth of a Global Plant Taxonomy," 92–98 [ref. 1870]; Neil CHAMBERS, "Joseph Banks, the British Museum and Collections in the Age of Empire," 99–113 [ref. 1691]; John MACK, "'Ethnography' in the Enlightenment," 114–118 [ref. 1894]; T. G. H. JAMES, "Napoleon and Egyptology: Britain's Debt to French Enterprise," 149–157; Sam SMILES, "Record and Reverie: Representing Antiquity in the Eighteenth Century," 176–184.

1689. BÖHME-KASSLER, Katrin. *Gemeinschaftsunternehmen Naturforschung: Modifikation und Tradition in der Gesellschaft Naturforschender Freunde zu Berlin, 1773–1906*. Pallas Athene, 15. (218 pp.; ill.; bibl.; index.) Stuttgart: Steiner, 2005. ISBN: 3515087222.

1690. CHAMBERS, Neil. *Joseph Banks and the British Museum: The World of Collecting, 1770–1830*. (xiv + 195 pp.; ill.; bibl.; index.) London: Pickering & Chatto, 2007. ISBN: 185196858X.

1691. CHAMBERS, Neil. "Joseph Banks, the British Museum and Collections in the Age of Empire." In *Enlightening the British*, edited by ANDERSON et al. (2003) [ref. 1688], 99–113.

1692. CIARDI, Marco. "Concorsi e premi all'Accademia delle Scienze di Torino: programmi di ricerca e strategie di politica scientifica." *Nuncius* 15 (2000): 741–749.

1693. CROSLAND, Maurice. *Scientific Institutions and Practice in France and Britain, c. 1700–c. 1870*. Variorum Collected Studies Series. (xiv + 421 pp.;

ill.; index.) Burlington, VT: Ashgate, 2007. ISBN: 9780754659136.

1694. HONEYBONE, Michael. "Sociability, Utility and Curiosity in the Spalding Gentlemen's Society, 1710–60." In *Science and Beliefs*, edited by KNIGHT and EDDY (2005) [ref. 16], 63–75.

1695. MACGREGOR, Arthur. "William Huddesford (1732–1772): His Role in Reanimating the Ashmolean Museum, His Collections, Researches and Support Network." *Arch. Natur. Hist.* 34 (2007): 47–68.

1696. MINIATI, Mara. "Preface." Special issue: "Felice Fontana and His Collections." *Nuncius* 21 (2006): 247–249.

Contents: Simone CONTARDI, "The Origins of a Scientific Institution. Felice Fontana and the Birth of the Real Museo di Fisica e Storia Naturale di Firenze," 251–264; Curzio CIPRIANI, "Felice Fontana and the Formation of the Naturalistic Collections of the Imperial Royal Museum of Physics and Natural History of Florence," 265–294; Anna MÄRKER, "The Anatomical Models of La Specola: Production, Uses, and Reception," 295–321 [ref. 1920]; Paola BERTUCCI, "Public Utility and Spectacular Display: The Physics Cabinet of the Royal Museum in Florence (1775)," 323–336; Renato G. MAZZOLINI, "Visitors to Florence's R. Museum of Physics and Natural History from September 1784 to October 1785," 337–348; Giuseppe OLMÍ, "'A Wonderful Collection Indeed!': The Royal Museum of Florence in the Testimony of Two Travellers," 349–365.

1697. SÖLCH, Brigitte. "Das 'Museo Ecclesiastico'. Beginn einer neuen Sammlungsära im Vatikan." In *Francesco Bianchini (1662–1729) und die europäische gelehrte Welt um 1700*, edited by KOCKEL et al. (2005) [ref. 1372], 179–205.

See also: Paolo LIVERANI, "Il 'Museo Ecclesiastico' e dintorni," 207–234.

350-41. SCIENTIFIC INSTRUMENTS (includes science of measurement)

1698. ANDERSON, Robert. "The Status of Instruments in Eighteenth-Century Cabinets." In *Enlightening the British*, edited by ANDERSON et al. (2003) [ref. 1688], 55–61.

1699. TAYLOR, J. C., and A. W. WOLFENDALE. "John Harrison: Clockmaker and Copley Medalist. A Public Memorial at Last." *Notes Rec. Roy. Soc. Lond.* 61 (2007): 53–62.

1700. ZUIDERVAART, Huib J. "'Zo'n mooie machine, waarvan de kwaliteit door alle astronomen wordt erkend'. Een biografie van een vrijwel niet gebruikte telescoop." *Gewina* 26 (2003): 148–165.

350-42. SCIENCE EDUCATION (includes history of educational institutions)

1701. GRANDEROUTE, Robert. "A propos de l'enseignement des sciences au XVIII^e siècle ou 'Le mot algèbre n'effraie plus que les idiots.'" In *Sciences, musiques, lumières*, edited by KÖLVING and PASSERON (2002) [ref. 1658], 47–57.

1702. HANNA, Blake T. "D'Alembert à l'université." In *Sciences, musiques, lumières*, edited by KÖLVING and PASSERON (2002) [ref. 1658], 37–45.

About the time d'Alembert spent at the University of Paris.

1703. LEACH, Camilla. "Religion and Rationality: Quaker Women and Science Education 1790–1850." *Hist. Educ.* 35 (2006): 69–90.

350-43. PROFESSIONAL ACTIVITIES OF SCIENTISTS (includes peer review and scientific publication)

1704. BOTS, Hans, and Robert Paul Willem VISSER. (Eds.) *La correspondance, 1785–1787, de Petrus Camper, 1722–1789 et son fils, Adriaan-Gilles Camper, 1759–1820*. Lias, 28. (304 pp.; ill.; bibl.) Amsterdam: APA-Holland University Press, 2002. ISBN: 9030210982.

Letters between the Dutch anatomist/naturalist and his son.

Reviews: [ref. R130]

1705. CIANCIO, Luca. "Secondo contributo all'inventario del carteggio di Alberto Fortis." *Nuncius* 18 (2003): 691–702.

1706. DE CAROLIS, Stefano, Andrea A. CONTI, and Donatella LIPPI. "Un carteggio inedito tra Antonio Cocchi e Giovanni Bianchi." *Nuncius* 18 (2003): 619–636.

1707. DONATO, Clorinda. "Charles Bonnet et l'*Encyclopédie*." In *Sciences, musiques, lumières*, edited by KÖLVING and PASSERON (2002) [ref. 1658], 421–432.

1708. REIS, Fernando Egídio. "Scientific Dissemination in Portuguese Encyclopaedic Periodicals, 1779–1820." *Hist. Sci.* 45 (2007): 83–118.

1709. ZINSSER, J. P. "Mentors, the Marquise Du Châtelet and Historical Memory." *Notes Rec. Roy. Soc. Lond.* 61 (2007): 89–108.

350-101. OCCULT SCIENCES; MAGIC (includes scientific anomalies; see also 111-Astrology and 114-Alchemy)

1710. CHRISTOPHER, Milbourne. "Magic in Early Baltimore." *Maryland Hist. Mag.* 100 (2005): 273–278.

1711. HOCHADEL, Oliver. "Aufklärung durch Täuschung, Die Natürliche Magie im 18. Jahrhundert." *Ber. Wissenschaftsgesch.* 27 (2004): 137–147.

On mechanical speaking figures that were purported to divine, and on the attack on these suspected frauds by philosophers and magicians.

350-102. HISTORY OF PHILOSOPHY; HISTORY OF IDEAS (includes history of philosophy of science)

1712. BREITENBACH, Angela. "Mechanical Explanation of Nature and Its Limits in Kant's *Critique of Judgment*." Part of special issue: "Kantian Teleology and the Biological Sciences" [ref. 452]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 694–711.

1713. COTIN, Jacques, and Mariana SAAD. (Eds.) *Mécanisme et vitalisme, La Belle et la Bête: naissance et métamorphoses d'un conte*. Lettre de la Maison française d'Oxford, 14. (212 pp.; ill.) Oxford: Maison française d'Oxford, 2001.

Proceedings of conferences which took place in Oxford during May 2001. Partial contents: François AZOUVI, "Le vitalisme en Allemagne, en France et en Grande-Bretagne au XVIII^e siècle"; Ann THOMSON, "Mechanistic Materialism vs. Vitalistic Materialism"; Hubert STEINKE, "Haller's Concept of Irritability and Sensibility and Its Reception in France"; Dominique BOURY, "Bordeu et Barthez : le malentendu 'vitaliste' "; Caroline WARMAN, "Charts and Signposts: Following Vitalism and Mechanism through the *Encyclopédie* (1754-1772), the *Encyclopédie Méthodique* (1787-1830) and the *Dictionnaire des Sciences Médicales* (1812-1822)"; Timo KAITARO, "'Man is an Admirable Machine'—A Dangerous Idea?"; Anne DEVARIEUX, "Diderot et Maine de Biran : une question d'acoustique."

1714. D'ALEMBERT, Jean Le Rond. *Discours préliminaire de l'Encyclopédie*. edited by Michel MALHERBE. Textes et commentaires. (209 pp.; bibl.) Paris: Librairie philosophique J. Vrin, 2000. ISBN: 2711614204.

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1715. DUNÉR, David Immanuel. "Världsmaskinen: Emanuel Swedenborgs naturfilosofi." Translated title: [The world machine: Emanuel Swedenborg's natural philosophy]. In Swedish. *Diss. Abstr. Int. C* 66/02 (2005): 292.

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1716. EDDY, M. D. "The Medium of Signs: Nominalism, Language and the Philosophy of Mind in the Early Thought of Dugald Stewart." *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 373–393.

1717. GOWER, Barry. "The Metaphysics of Science in the Romantic Era." In *Science and Beliefs*, edited by KNIGHT and EDDY (2005) [ref. 16], 17–29.

1718. KANT, Immanuel. *Metaphysical Foundations of Natural Science*. edited by Michael FRIEDMAN. Translated by Michael FRIEDMAN. Cambridge Texts in the History of Philosophy. (xxxvii + 119 pp.; bibl.; index.) Cambridge, UK: Cambridge University Press, 2004. ISBN: 0521836166.

Reviews: [ref. R709]

1719. LARSEN, Svend Erik. "The Lisbon Earthquake and the Scientific Turn in Kant's Philosophy." *Eur. Rev.* 14 (2006): 359–367.

1720. LE RU, Véronique. "L'Encyclopédie ou l'occasion de philosoper." In *Sciences, musiques, lumières*, edited by KÖLVING and PASSERON (2002) [ref. 1658], 163–172.

1721. MATTON, Sylvain. (Ed.) *Tintinnabulum naturae : Rêveries d'un individu semi homme semi bête engendré d'une négresse et d'un orang-outang. Suivi de pensées métaphisiques lancées dans le tourbillon et de quelques poésies et pièces fugitives, par un solitaire de Champagne*. Anecdota: collection de textes inédits pour servir à l'histoire des idées, 3. (248 pp.; index.) Paris: Séha, 2002. ISBN: 8872522374.

Reviews: [ref. R905]

1722. SCHELLING, F. W. J. *First Outline of a System of the Philosophy of Nature*. Translated by Keith R. PETERSON. SUNY Series in Contemporary Continental Philosophy. (xxxviii + 266 pp.; bibl.; index.)

Albany: State University of New York Press, 2004. ISBN: 0791460037.

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1723. STEIGERWALD, Joan. "Kant's Concept of Natural Purpose and the Reflecting Power of Judgment." Part of special issue: "Kantian Teleology and the Biological Sciences" [ref. 452]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 712–734.

350-103. MATHEMATICS

1724. BALTUS, Christopher. "D'Alembert's Proof of the Fundamental Theorem of Algebra." *Hist. Math.* 31 (2004): 414–428.

1725. BARNETT, Janet Heine. "Enter, Stage Center: The Early Drama of the Hyperbolic Functions." *Mathematics Magazine* 77 (2004): 15–30.

1726. BELLHOUSE, David R. "Lord Stanhope's Papers on the Doctrine of Chances." *Hist. Math.* 34 (2007): 173–186.

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1727. BONIFACE, Jacqueline. *Les constructions des nombres réels dans le mouvement d'arithmétisation de l'analyse*. Comprendre les mathématiques par les textes historiques. (176 pp.; bibl.) Paris: Ellipses, 2002. ISBN: 2729811427.

Reviews: [ref. R120]

1728. BRIAN, Éric. "Combinaisons et disposition. Langue universelle et géométrie de situation chez Condorcet (1793-1794)." Part of a special issue: "Mathematics and Rhetoric" [ref. 277]. *Early Sci. Med.* 11 (2006): 455–477.

1729. BRU, Bernard. "Des fraises et des oranges." In *Sciences, musiques, lumières*, edited by KÖLVING and PASSERON (2002) [ref. 1658], 3–10.

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1731. FERRARO, Giovanni. "Convergence and Formal Manipulation in the Theory of Series from 1730 to 1815." *Hist. Math.* 34 (2007): 62–88.

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1732. FERRARO, Giovanni. "The Foundational Aspects of Gauss's Work on the Hypergeometric, Factorial and Digamma Functions." *Arch. Hist. Exact Sci.* 61 (2007): 457–518.

1733. LOTY, Laurent. "Mathématiques et théologie: le concours sur l'optimisme de l'Académie de Berlin (1755): collision des degrés de perfection et collusions entre foi, raison, salut, bonheur, grandeurs négatives, morale, économie et politique." In *Sciences, musiques, lumières*, edited by KÖLVING and PASSERON (2002) [ref. 1658], 11–36.

1734. MAZZOTTI, Massimo. "Maria Gaetana Agnesi: Mathematics and the Making of the Catholic Enlightenment." *Isis* 92 (2001): 657–683.

1735. MIGNOTTE, Maurice, and Doru STEFANESCU. "La première méthode générale de fac-

torisation des polynômes. Autour d'un mémoire de F. T. Schubert." *Rev. Hist. Math.* 7 (2001): 67–89.

1736. MILIGHETTI, Maria Chiara. "Giovann Francesco Salvemini detto Castiglione: esilio ed ascesa di un matematico." *Nuncius* 18 (2003): 603–617.

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350-122. NATURAL HISTORY

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1839. MYERS, Charles W., and Richard B. STOTHERS. "The Myth of Hylas Revisited: The Frog Name *Hyla* and Other Commentary on *Specimen Medicum* of J. N. Laurenti, the 'Father of Herpetology.'" *Arch. Natur. Hist.* 33 (2006): 241-266.

1840. OLSON, Storrs L., and Judith N. LUND. "Whalers and Woggins: A New Vocabulary for Interpreting Some Early Accounts of the Great Auk and Penguin." *Arch. Natur. Hist.* 34 (2007): 69-78.

1841. OLSON, Storrs L., Leslie OVERSTREET, and Judith N. LUND. "An Alca-Bibliographical Study of *The English Pilot*: The History of Its Account of the

Great Auk (Alcidae: *Pinguinus impennis*)." *Arch. Natur. Hist.* 34 (2007): 79-86.

1842. PINAULT SØRENSEN, Madeleine. "'La nature est belle.'" In *Sciences, musiques, lumières*, edited by KÖLVING and PASSERON (2002) [ref. 1658], 213-228.

On Diderot's views of nature and the link between nature and the arts.

1843. SEBA, Albertus. *Cabinet of Natural Curiosities: Locupletissimi rerum naturalium thesauri 1734-1765*. (587 pp.; ill.; bibl.) Köln / London: Taschen, 2001. ISBN: 3822816000.

1844. SIVIERO, Monica, and Carlo VIOLANI. "Drawings for an Exacting Author: Illustrations from Giovanni Antonio Scopoli's *Deliciae florum et faunae insubricae*." *Arch. Natur. Hist.* 33 (2006): 214-231.

1845. SLOAN, Phillip R. "Kant on the History of Nature: The Ambiguous Heritage of the Critical Philosophy for Natural History." Part of special issue: "Kantian Teleology and the Biological Sciences" [ref. 452]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 627-648.

1846. TORRENS, Hugh S. "Natural History in Eighteenth-Century Museums in Britain." In *Enlightening the British*, edited by ANDERSON et al. (2003) [ref. 1688], 81-91.

1847. VOS, Paula S. De. "Research, Development, and Empire: State Support of Science in the Later Spanish Empire." *Col. Latin Amer. Rev.* 15 (2006): 55-79.

350-123. ECOLOGY; ENVIRONMENTAL SCIENCES (includes conservation, natural resource management, and environmental history; for forestry, see 163-Agriculture)

1848. BOURNE, W. R. P. "Short Note: The Scottish Wildlife Clearances." *Arch. Natur. Hist.* 33 (2006): 344-347.

On the 18th-19th century clearing of land of human and wildlife populations for sheep farming.

1849. CAMPANELLA, Thomas J. "'Mark Well the Gloom': Shedding Light on the Great Dark Day of 1780." *Environ. Hist.* 12 (2007): 35-58.

On theological and amateur scientific reaction to an unusual weather event in New England.

1850. JOHNSON, Sherry. "El Niño, Environmental Crisis, and the Emergence of Alternative Markets in the Hispanic Caribbean, 1760s-70s." *William Mary Quart.* 62 (2005): 365-410.

350-124. PALEONTOLOGY

1851. TASSY, Pascal. "The Earliest Tooth of the American Mastodon and the Emergence of the Concept of Fossil Species." *Amer. Paleon.* 11 (2003): 3-5.

On fossils studied by 18th-century British and French anatomists.

350-130. BIOLOGICAL SCIENCES, GENERAL WORKS

1852. BOSCHUNG, Urs. "Der Leipziger Medizinprofessor Christian Gottlieb Ludwig in seinen Briefen an Albrecht von Haller." In *Die Universität Leipzig und*

ihr gelehrtes Umfeld 1680–1780, edited by MARTI and DÖRING (2004) [ref. 1433], 409–445.

Correspondence covering a wide variety of topics from botany to physiology and pathology.

1853. CEGLIA, Francesco Paolo de. “Soul Power: Georg Ernst Stahl and the Debate on Generation.” In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 262–284.

1854. DUCHESNEAU, François. “Charles Bonnet’s Neo-Leibnizian Theory of Organic Bodies.” In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 285–314.

1855. GIUDICE, Franco, and Gianni BONERA. “Lorenzo Mascheroni e Alessandro Volta: un dialogo tra scienza e poesia.” *Nuncius* 18 (2003): 549–576.

Focuses on a debate about a type of electricity posited to be particular to living beings.

1856. HUNEMAN, Philippe. “Naturalising Purpose: From Comparative Anatomy to the ‘Adventure of Reason.’” Part of special issue: “Kantian Teleology and the Biological Sciences” [ref. 452]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 649–674.

1857. LOOK, Brandon C. “Blumenbach and Kant on Mechanism and Teleology in Nature: The Case of the Formative Drive.” In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 355–372.

1858. LOVELAND, Jeff. “Another Daubenton, Another *Histoire naturelle*.” *J. Hist. Biol.* 39 (2006): 457–491.

1859. MAZZOLINI, Renato. “*Las Castas*: Interracial Crossing and Social Structure, 1770–1835.” In *Heredity Produced*, edited by MÜLLER-WILLE and RHEINBERGER (2007) [ref. 480], 349–373.

1860. PÉQUIGNOT, Amandine. “Une peau entre deux feuilles, l’usage de l’herbier en taxidermie aux XVIII^e et XIX^e siècles en France.” *Rev. Hist. Sci.* 59 (2006): 127–136.

1861. QUARFOOD, Marcel. “Kant on Biological Teleology: Towards a Two-Level Interpretation.” Part of special issue: “Kantian Teleology and the Biological Sciences” [ref. 452]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 735–747.

1862. RICHARDS, Robert J. “Kant and Blumenbach on the *Bildungstrieb*: A Historical Misunderstanding.” Part of special issue: “Function, Teleology and Design” [ref. 439]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 31 (2000): 11–32.

1863. TERADA, Motoichi. “La sphymologie chinoise et la mise au point d’une nouvelle conception vitaliste de l’économie animale par des vitalistes montpelliérains.” Part of special section: “International Networks, Exchange and Circulation of Knowledge in Life Sciences, 18th to 20th Centuries” [ref. 434]. *Arch. Int. Hist. Sci.* 56 (2006): 149–163.

1864. TERRALL, Mary. “Speculation and Experiment in Enlightenment Life Sciences.” In *Heredity Produced*, edited by MÜLLER-WILLE and RHEINBERGER (2007) [ref. 480], 253–275.

Uses cases in heredity and generation to understand broader Enlightenment notions about active matter, organic organization, and method.

1865. ZAMMITO, John. “Kant’s Early Views on Epigenesis: The Role of Maupertuis.” In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 317–354.

350-131. BOTANY (includes plant sciences)

1866. BERETTA, Marco, and Alessandro TOSI. (Eds.) *Linnaeus in Italy: The Spread of a Revolution in Science*. Uppsala Studies in History of Science, 34. (xxiii + 340 pp.; ill.; bibl.; index.) Sagamore Beach: Science History Publications/USA, 2007. ISBN: 0881353930.

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1867. BOURGUET, Marie-Noëlle. “Measurable Difference: Botany, Climate, and the Gardener’s Thermometer in Eighteenth-Century France.” In *Colonial Botany*, edited by SCHIEBINGER and SWAN (2005) [ref. 456], 270–286.

1868. BREGMAN, Leigh Davin. “‘For Sale’: Botanists and the Commercial Trade in Botanical Specimens at the Cape of Good Hope, 1750–1850.” Part of special section: “International Networks, Exchange and Circulation of Knowledge in Life Sciences, 18th to 20th Centuries” [ref. 434]. *Arch. Int. Hist. Sci.* 56 (2006): 247–263.

1869. GEORGE, Sam. “From Modest Shoot to Forward Plant: Botany and the Cultivation of the Female Mind in Eighteenth-Century Literature.” *Diss. Abstr. Int. C* 67/02 (2006): 498.

Dissertation at the University of York, 2005. UMI pub. no. C825059. 301 pp. Looks at works of Priscilla Wakefield, Maria Jacon, Frances Arabella Rowden, Charlotte Smith, and Sarah Hoare.

1870. JONSELL, Bengt. “Linnaeus, Solander and the Birth of a Global Plant Taxonomy.” In *Enlightening the British*, edited by ANDERSON et al. (2003) [ref. 1688], 92–98.

1871. KLEMUN, Marianne. “Austrian Botanical Collection Journeys (1783–1792): Network-Patterns in Expeditions: Global Intentions Interwoven with Local Dimensions.” Part of special section: “International Networks, Exchange and Circulation of Knowledge in Life Sciences, 18th to 20th Centuries” [ref. 434]. *Arch. Int. Hist. Sci.* 56 (2006): 233–245.

1872. LINDSAY, Ann. *Seeds of Blood and Beauty: Scottish Plant Explorers*. (296 pp.; ill.; bibl.; index.) Edinburgh: Birlinn, 2005. ISBN: 9781841583457.

Discusses men such as William Wright (1735–1810) and Francis Masson (1741–1805), in a discussion of the practicalities of scientific exploration in the 18th and 19th centuries.

Reviews: [ref. R838]

1873. LOGAN, Gabriella Berti. “Women and Botany in Risorgimento Italy.” *Nuncius* 19 (2004): 601–628.

1874. MCMAHON, Susan. “Boundary Work: ‘National Quarrels and Party Factions’ in Eighteenth-

Century British Botany." In *Science and Beliefs*, edited by KNIGHT and EDDY (2005) [ref. 16], 43–61.

1875. MÜLLER-WILLE, Staffan. "Joining Lapland and the Topinambes in Flourishing Holland: Center and Periphery in Linnaean Botany." *Sci. Context* 16 (2003): 461–488.

1876. MÜLLER-WILLE, Staffan. "Linnaeus' Herbarium Cabinet: A Piece of Furniture and Its Function." *Endeavour* 30 (2006): 60–64.

On the significance of Linnaeus's herbarium, the sheets of which he left unbound and housed in a special cabinet.

1877. NICKELSEN, Kärin. "Draughtsmen, Botanists and Nature: Constructing Eighteenth-Century Botanical Illustrations." *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 1–25.

1878. RATCLIFF, Marc J. "Duchesne's Strawberries: Between Growers' Practices and Academic Knowledge." In *Heredity Produced*, edited by MÜLLER-WILLE and RHEINBERGER (2007) [ref. 480], 205–228.

1879. VIERECK, Regina. "Zwar sind es weibliche Hände", *Die Botanikerin und Pädagogin Catharina Helena Dörrien (1717–1795)*. (179 pp.; ill.) Frankfurt; New York: Campus, 2000. ISBN: 3593365804; 9783593365800.

350-132. ZOOLOGY

(includes animal anatomy and physiology; for primatology, see 135-Physical anthropology)

1880. CHEUNG, Tobias. "Hermann Samuel Reimarus' Theorie der 'Lebensarten' und 'Triebe.'" *Sudhoffs Arch.* 90 (2006): 143–160.

1881. COLEMAN, Deirdre. "Entertaining Entomology: Insects and Insect Performers in the Eighteenth Century." *Eighteenth-Cent. Life* 30 (2006): 107–134.

1882. D'HOMBRES, Emmanuel. "La régulation du 'milieu intérieur'. Étude sur le devenir physiologique de la terminologie de la régulation (XVIII^e-XIX^e siècles)." *Arch. Int. Hist. Sci.* 56 (2006): 43–79.

Focuses on work by Claude Bernard.

1883. KNOEFF, Rina. "Chemistry, Mechanics and the Making of Anatomical Knowledge: Boerhaave vs. Ruysch on the Nature of the Glands." *Ambix* 53 (2006): 201–219.

350-133. HEREDITY; GENETICS; EVOLUTION

(for genetic engineering, see 134-Microbiology)

1884. DELISLE, Richard G. "The Biology/Culture Link in Human Evolution, 1750–1950: The Problem of Integration in Science." *Stud. Hist. Phil. Biol. Biomed. Sci.* 31 (2000): 531–556.

1885. LÓPEZ-BELTRÁN, Carlos. "Storytelling, Statistics and Hereditary Thought: The Narrative Support of Early Statistics." *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 41–58.

Explores shift to a statistical explanation of hereditary phenomena by looking at 18th-century French medicine and 19th-century English natural history.

1886. MÜLLER-WILLE, S., and V. OREL. "From Linnaean Species to Mendelian Factors: Elements of Hybridism, 1751–1870." *Ann. Sci.* 64 (2007): 171–215.

An "analysis of publications on hybridization by Carl Linnaeus, Joseph Gottlieb Koelreuter, Carl Friedrich Gärtner, and Mendel." (from the abstract)

1887. RUSE, Michael. "Kant and Evolution." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 402–415.

1888. VAN WYHE, John. "Mind the Gap: Did Darwin Avoid Publishing His Theory for Many Years?" *Notes Rec. Roy. Soc. Lond.* 61 (2007): 177–205.

Argues that Darwin's delay in publishing is a recent historiographical theme and is contradicted by the evidence.

1889. WILSON, Catherine. "Kant and the Speculative Sciences of Origins." In *The Problem of Animal Generation in Early Modern Philosophy*, edited by SMITH (2006) [ref. 451], 375–401.

350-135. PHYSICAL ANTHROPOLOGY; HUMAN BIOLOGY

(includes human evolution, primatology; for human body, see also 150-Medicine)

1890. COHEN, Alix A. "Kant on Epigenesis, Monogenesis and Human Nature: The Biological Premises of Anthropology." Part of special issue: "Kantian Teleology and the Biological Sciences" [ref. 452]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 675–693.

350-137. PSYCHOLOGY; COMPARATIVE PSYCHOLOGY

(includes sociobiology, animal behavior, evolutionary psychology; for clinical psychology, see also 151-Psychiatry)

1891. RUNEFELT, Leif. "Dygden, nyttan och begären: Affektläran i frihetstida etisk och psykologisk litteratur." Translated title: [Virtue, utility, and desire: The teachings on affect in the ethical and psychological literature of the Era of Liberty]. In Swedish. *Lychnos* (2004): 19–44.

1892. STURM, Thomas. "Is There a Problem with Mathematical Psychology in the Eighteenth Century? A Fresh Look at Kant's Old Argument." *J. Hist. Behav. Sci.* 42 (2006): 353–377.

350-140. SOCIAL SCIENCES, GENERAL WORKS

(includes criminology, demography, etc.)

1893. HOWELL, Peter. "Godwin, Contractarianism, and the Political Dead End of Empiricism." *Eighteenth-Cent. Life* 28, no. 2 (2004): 61–86.

350-142. CULTURAL ANTHROPOLOGY

1894. MACK, John. "'Ethnography' in the Enlightenment." In *Enlightening the British*, edited by ANDERSON et al. (2003) [ref. 1688], 114–118.

350-143. ECONOMICS

1895. BOWLER, Richard C. "Menschenbild und Wirtschaftsordnung: Der Menschenbegriff im Kameralismus und in der Nationalökonomie." *Ber. Wissenschaftsgesch.* 25 (2002): 283–299.

1896. DWYER, John. "Ethics and Economics: Bridging Adam Smith's *Theory of Moral Sentiments* and *Wealth of Nations*." *J. Brit. Stud.* 44 (2005): 662–687.

1897. MOKYR, Joel. "The Intellectual Origins of Modern Economic Growth." *J. Econ. Hist.* 65 (2005): 285–351.

1898. VOLKMAN, Laurenz. "Wem gehört Adam Smith? Gedanken zur Auseinandersetzung um das geistige Erbe des schottischen Philosophen und Ökonomen." *Ber. Wissenschaftsgesch.* 26 (2003): 285–295.

350-146. HISTORY

1899. KELLEY, Donald R. "The Rise of Prehistory." *J. World Hist.* 17 (2003): 17–36.

Brief survey of the idea of human prehistory as understood during the 18th and 19th centuries.

1900. SWEET, Rosemary. *Antiquaries: The Discovery of the Past in Eighteenth-Century Britain*. (xxi + 473 pp.; ill.; bibl.; index.) London: Hambledon and London, 2004. ISBN: 1852853093.

Reviews: [ref. R1337]

350-150. MEDICAL SCIENCES, GENERAL WORKS (includes human anatomy and physiology; see also 135-Physical anthropology)

1901. ANROMAN, Gilda Marie. "Infectious Disease in Philadelphia, 1690–1807: An Ecological Perspective." *Diss. Abstr. Int.* A 67/06 (2006): 2205.

Dissertation at University of Maryland, College Park, 2006. Adviser: Sies, Mary Corbin. UMI pub. no. 3222311. 320 pp.

1902. BALASINGHAM, Anjali. "The Representation of Pregnancy in Eighteenth-Century French Literature." *Diss. Abstr. Int.* A 67/03 (2006).

Dissertation at Columbia University, 2006. Adviser: May, Gita. UMI pub. no. 3209337. 281 pp.

1903. BERTUCCI, Paola. "Revealing Sparks: John Wesley and the Religious Utility of Electrical Healing." *Brit. J. Hist. Sci.* 39 (2006): 341–362.

1904. BLACKWELL, Mark. "'Extraneous Bodies': The Contagion of Live-Tooth Transplantation in Late-Eighteenth-Century England." *Eighteenth-Cent. Life* 28, no. 1 (2004): 21–68.

1905. BONTAITES, Camella Geneva. "The Effects on the Nature of Medical Discourse on the Sense of Spatiality and Self Image of Eighteenth Century Women." *Diss. Abstr. Int.* A 67/05 (2006): 1876.

Dissertation at California Institute of Integral Studies, 2006. Adviser: Shearer, Cindy. UMI pub. no. 3218514. 163 pp. Focus is on childbirth and pregnancy.

1906. CASH, Philip. *Dr. Benjamin Waterhouse: A Life in Medicine and Public Service (1754-1846)*. (xi + 516 pp.; bibl.; index.) Sagamore Beach, MA: Science History Publications/USA, 2006. ISBN: 0881352640.

1907. COSTA, Palmira Fontes da, and António JESUS. "António Ribeiro Sanches and the Circulation of Medical Knowledge in Eighteenth-Century Europe." Part of special section: "International Networks,

Exchange and Circulation of Knowledge in Life Sciences, 18th to 20th Centuries" [ref. 434]. *Arch. Int. Hist. Sci.* 56 (2006): 185–197.

1908. CROXSON, Bronwyn. "The Foundation and Evolution of the Middlesex Hospital's Lying-In Service, 1745–86." *Soc. Hist. Med.* 14 (2001): 27–57.

1909. EIJNATTEN, Joris Van. "Bilderdijk's Head Meta-Medical Reflections of an Afflicted Poet." *Soc. Hist. Med.* 18 (2005): 337–356.

On the Dutch poet Willem Bilderdijk (1756-1831) and his medical reflections on his body.

1910. ESSER, Raingard, and Thomas FUCHS. (Eds.) *Bäder und Kuren in der Aufklärung: Medizinaldiskurs und Freizeitvergnügen*. Aufklärung und Europa, 11. (183 pp.; ill.) Berlin: Berliner Wissenschafts-Verlag, 2003. ISBN: 3830503644.

Reviews: [ref. R401]

1911. FERGUSON, Angus H. "The Lasting Legacy of a Bigamous Duchess: The Benchmark Precedent for Medical Confidentiality." *Soc. Hist. Med.* 19 (2006): 37–53.

1912. FINGER, Stanley. *Doctor Franklin's Medicine*. (xiii + 379 pp.; ill.; bibl.; index.) Philadelphia: University of Pennsylvania Press, 2006. ISBN: 081223913X.

On Benjamin Franklin.

Reviews: [ref. R427]

1913. HÄUSNER, Sabine. *Der Arzt und Medizinalrat Friedrich Wilhelm von Hoven (1759-1838): sein Leben, seine Werke und seine Freundschaft zu Friedrich Schiller*. Würzburger medizinisch-historische Forschungen, 81. (151 pp.; ill.; bibl.) Würzburg: Königshausen & Neumann, 2003. ISBN: 3826027191.

Reviews: [ref. R590]

1914. HERRLE-FANNING, Jeanette. "Of Forceps and Folios: Eighteenth-Century British Midwifery Publications and the Construction of Professional Identity." *Diss. Abstr. Int.* A 67/02 (2006).

Dissertation at City University of New York, 2004. Adviser: Anderson, Bonnie UMI pub. no. 3204140. 340 pp.

1915. ISHIZUKA, Hisao. "The Elasticity of the Animal Fibre: Movement and Life in Enlightenment Medicine." *Hist. Sci.* 44 (2006): 435–468.

1916. LABOUIE, Eva. "Alltagwissen - Körperwissen - Praxiswissen - Fachwissen. Zur Aneignung, Bewertungs- und Orientierungslogik von Wissenskulturen." *Ber. Wissenschaftsgesch.* 30 (2007): 119–134.

"The essay explores changes in the understanding, legitimisation, and practice of midwifery" in the 18th century. (from the abstract)

1917. LOTTI, S., A. ALTOBELLI, S. BAMBI, and M. POGGESI. "Illustrations of the Anatomical Wax Model Collection in the 'La Specola' Zoology Museum, Florence." *Arch. Natur. Hist.* 33 (2006): 232–240.

The collection of wax models was created in the 18th century; illustrations were produced to explain the models.

1918. MADDEN, Deborah. "Contemporary Reaction to John Wesley's *Primitive Physic*: Or, the Case of

Dr. William Hawes Examined." *Soc. Hist. Med.* 17 (2004): 365–378.

1919. MARIÉ, Éric. "Un exemple de transmission du savoir entre la Chine et l'Europe au XVIII^e siècle : les communications et échanges sur le diagnostic par les pouls." Part of special section: "International Networks, Exchange and Circulation of Knowledge in Life Sciences, 18th to 20th Centuries" [ref. 434]. *Arch. Int. Hist. Sci.* 56 (2006): 133–147.

1920. MÄRKER, Anna. "The Anatomical Models of La Specola: Production, Uses, and Reception." *Nuncius* 21 (2006): 295–321.

1921. PLETT, Peter C. "Peter Plett und die übrigen Entdecker der Kuhpockenimpfung vor Edward Jenner." *Sudhoffs Arch.* 90 (2006): 219–232.

1922. RAZZELL, Peter, and Christine SPENCE. "The Hazards of Wealth: Adult Mortality in Pre-Twentieth-Century England." *Soc. Hist. Med.* 19 (2006): 381–405.

1923. RENNER, Andreas. "Wissenstransfer auf dem Prüfstand: Europäische Mediziner im Kampf gegen die Pest von Moskau 1771." *Ber. Wissenschaftsgesch.* 29 (2006): 191–204.

1924. SAMAYOA, Marianne B. "More Than Quacks: Seeking Medical Care in Late Colonial New Spain." Roy Porter Student Prize Essay. *Soc. Hist. Med.* 19 (2006): 1–18.

1925. SCHLUMBOHM, Jürgen. "'The Pregnant Women Are Here for the Sake of the Teaching Institution': The Lying-In Hospital of Göttingen University, 1751 to c. 1830." *Soc. Hist. Med.* 14 (2001): 59–78.

1926. SCHNALKE, Thomas. "Dissected Limbs and the Integral Body: On Anatomical Wax Models and Medical Moulages." In a special issue on "Illustrating Science." *Interdiscipl. Sci. Rev.* 29 (2004): 312–322.

Comparison of anatomical wax models of the 18th century with medical wax casts ("moulages") from the period 1850–1950.

1927. SMITH, Lisa W. "Reassessing the Role of the Family: Women's Medical Care in Eighteenth-Century England." Society for the Social History of Medicine Student Millennium Prize Essay. *Soc. Hist. Med.* 16 (2003): 327–342.

1928. TRÖHLER, Ulrich. "Quantifying Experience and Beating Biases: A New Culture in Eighteenth-Century British Clinical Medicine." In *Body Counts*, edited by JORLAND et al. (2005) [ref. 550], 19–50.

1929. WEAVER, Karol K. "'She Crushed the Child's Fragile Skull': Disease, Infanticide, and Enslaved Women in Eighteenth-Century Saint-Domingue." *French Col. Hist.* 5 (2004): 93–109.

1930. WIESEMANN, Claudia. *Die Heimliche Krankheit: Eine Geschichte des Suchtbegriffs*. Medizin und Philosophie, 4. (218 pp.; bibl.; index.) Stuttgart-Bad Cannstatt: Frommann-Holzboog, 2000. ISBN: 377282000X.

A history of the concept of drug addiction and the German reception of the ideas of Scotsman John Brown in the 18th and early 19th centuries.

350-151. PSYCHIATRY; MEDICAL PSYCHOLOGY (see also 136-Neurosciences and 137-Psychology)

1931. HOUSTON, R. A. "The Face of Madness in Eighteenth- and Early Nineteenth-Century Scotland." *Eighteenth-Cent. Life* 27, no. 2 (2003): 49–66.

On the belief that madness could be identified through facial appearance.

350-152. PUBLIC HEALTH; HEALTH; NUTRITION

1932. BROBERG, Gunnar. "Mat och levnadskonst: Arkater Linné ger goda råd." Translated title: [The art of living and the art of eating: Professor Linnaeus recommends]. In Swedish. [ref. 583]. *Lychnos* (2005): 151–174.

1933. CURTIS, Stephan M. "Nutrition and Scarlet Fever Mortality during the Epidemics of 1860–90: The Sundsvall Region." *Soc. Hist. Med.* 17 (2004): 199–221.

1934. JENNER, Mark. "Death, Decomposition and Dechristianisation? Public Health and Church Burial in Eighteenth-Century England." *Engl. Hist. Rev.* 120 (2005): 615–632.

1935. MARKS, Harry M. "When the State Counts Lives: Eighteenth-Century Quarrels over Inoculation." In *Body Counts*, edited by JORLAND et al. (2005) [ref. 550], 51–64.

1936. RUSNOCK, Andrea. "Quantifying Infant Mortality in England and France, 1750–1800." In *Body Counts*, edited by JORLAND et al. (2005) [ref. 550], 65–86.

1937. WILLIAMS, Samantha. "Practitioners' Income and Provision for the Poor: Parish Doctors in the Late Eighteenth and Early Nineteenth Centuries." *Soc. Hist. Med.* 18 (2005): 159–186.

350-153. PHARMACY

(includes pharmaceuticals and illicit drugs)

1938. BETTIN, Hartmut, and Christoph FRIEDRICH. "Der Briefwechsel von Johann Bartholomäus Trommsdorff (1770 bis 1837)—mehr als eine pharmaziegeschichtliche Quellenedition." *Ber. Wissenschaftsgesch.* 25 (2002): 213–227.

1939. BETTIN, Hartmut, Christoph FRIEDRICH, and Wolfgang GÖTZ. (Eds.) *Der Briefwechsel von Johann Bartholomäus Trommsdorff (1770–1837)*. Acta historica Leopoldina, 18 no. 9. (309 pp.; ill.) Halle (Saale): Deutsche Akademie der Naturforscher Leopoldina, 2006. ISBN: 3804722881.

Trommsdorff was a well known pharmacist.

1940. SIMMONS, Anna. "Medicines, Monopolies and Mortars: The Chemical Laboratory and Pharmaceutical Trade at the Society of Apothecaries in the Eighteenth Century." *Ambix* 53 (2006): 221–236.

1941. SMITH, Angie. "Weighed in the Balance? The Corporation of Apothecaries in Bordeaux, 1690–1790." *Soc. Hist. Med.* 16 (2003): 17–37.

1942. TESIO, Stéphanie. "Pharmacie et univers thérapeutique en Basse-Normandie et dans la vallée du Saint Laurent au XVIII^e siècle. Praticiens, organisation, pratiques. Une étude comparative." *Diss. Abstr. Int.* A 67/10 (2007).

Dissertation at Université Laval (Canada), 2006. Pub. no. AAT NR20153. 847 pp.

1943. TROMMSDORFF, Johan Bartholomäus. *Der Briefwechsel von Johann Bartholomäus Trommsdorff (1770-1837)*. Bearbeitet und kommentiert von Wolfgang GÖTZ und Christoph FRIEDRICH, unter Mitarbeit von Hartmut BETTIN. Lieferung 4: Gehlen-Hermbsstadt. Acta Historica Leopoldina, Nr. 18, Lfg. 4. (223 pp.; ill.; bibl.; index.) Halle, Saale: Deutsche Akademie der Naturforscher Leopoldina, 1999. ISBN: 3335006054.

Trommsdorff's major work was in pharmacy and pharmaceutical chemistry.

350-160. TECHNOLOGY, GENERAL WORKS (includes architecture)

1944. LEWIS, C. G. "Hugh Henshall, 1734–1816." *Trans. Newcomen Soc.* 76 (2006): 101–114.

Biography of a British surveyor, engineer, and canal proprietor who worked closely with the developer of the English canal system.

1945. PORTER, Lindsey. *Ecton Copper Mines: Under the Dukes of Devonshire, 1760–1790*. (240 pp.; ill.; maps; bibl.; index.) Ashbourne, Derbyshire: Landmark, 2004. ISBN: 1843061252.

Reviews: [ref. R1091]

1946. RICHARDSON, Christine. "James Brindley (1716–72)—His Simultaneous Commercial Development of Mills, Steam Power, and Canals." *Trans. Newcomen Soc.* 76 (2006): 251–258.

1947. TYLER, David. "Humphrey Gainsborough (1718-1776): Cleric, Engineer and Inventor." *Trans. Newcomen Soc.* 76 (2006): 51–86.

1948. VOSKUHL, Adelheid Clara. "The Mechanics of Sentiment: Music-Playing Women Automata and the Culture of Affect in Late Eighteenth-Century Europe." *Diss. Abstr. Int. A* 67/11 (2007).

Dissertation at Cornell University, 2007. Adviser: Dear, Peter. Pub. no. AAT 3242195. 264 pp. "Examines the construction and interpretation of two android automata, both displaying music-playing women." (from the abstract)

350-161. COMPUTERS; COMMUNICATION TECHNOLOGIES (includes information sciences)

1949. MITCHELL, Elizabeth Kathleen. "Mechanical Reproduction and the Mechanical Philosophy: The Idea of Originality in Eighteenth-Century British Printmaking." *Diss. Abstr. Int. A* 68/01 (2007).

Dissertation at University of California, Santa Barbara, 2006. Adviser: Bermingham, Ann. Pub. no. AAT 3250123. 289 pp. Focus on William Hogarth, 17th-century English painter, printmaker, and satirist.

350-163. AGRICULTURE AND RELATED SCIENCES

(includes animal husbandry, forestry, and food science)

1950. STEWART, Mart A. "From King Cane to King Cotton: Razing Cane in the Old South." *Environ. Hist.* 12 (2007): 59–79.

1951. WOOD, Roger J. "The Sheep Breeders' View of Heredity before and after 1800." In *Heredity Produced*, edited by MÜLLER-WILLE and RHEINBERGER (2007) [ref. 480], 229–250.

360. NINETEENTH CENTURY

(includes topics stretching into the 20th century)

360-1. GENERAL HISTORIES OF SCIENCE

(includes interdisciplinary topics and biographies of scientists)

1952. BIESTER, Björn. *Der innere Beruf zur Wissenschaft: Paul Ruben (1866–1943): Studien zur deutsch-jüdischen Wissenschaftsgeschichte*. Hamburger Beiträge zur Wissenschaftsgeschichte, 14. (vii + 315 pp.; ill.; bibl.; index.) Berlin: Reimer, 2001. ISBN: 3496027037.

Reviews: [ref. R105]

1953. BLACKMORE, John T., Ryoichi ITAGAKI, and Setsuko TANAKA. (Eds.) *Ernst Mach's Science: Its Character and Influence on Einstein and Others*. (304 pp.; ill.; bibl.; index.) Minamiyana, Hadano-shi, Kanagawa: Tokai University Press, 2006. ISBN: 4186031881.

"Provides a detailed account of Mach's contributions to physiology, psychology, medicine, and experimental and theoretical physics." (from the review in *Hist. Stud. Phys. Biol. Sci.*)

Reviews: [ref. R110]

1954. COEN, Deborah R. *Vienna in the Age of Uncertainty: Science, Liberalism, and Private Life*. (352 pp.; ill.; bibl.; index.) Chicago: University of Chicago Press, 2007. ISBN: 9780226111728.

A study of the period through a close focus on the Exner family, which had close association with many of the most important scientific figures of fin-de-siècle and early 20th-century Vienna.

1955. DARWIN, Charles. *The Correspondence of Charles Darwin*, Vol. 13: 1865. Supplement 1822–1864. edited by Frederick BURKARDT, Duncan M. PORTER, Sheila Ann DEAN, Samantha EVANS, Shelley INNES, Alison M. PEARN, Andrew SCLATER, Paul S. WHITE, and Sarah WILMONT. (xxxvii + 695 pp.; bibl.; index.) Cambridge: Cambridge University Press, 2002. ISBN: 9780521824132.

Reviews: [ref. R317]

1956. DIXON, Thomas. "The Invention of Altruism: Auguste Comte's *Positive Polity* and Respectable Unbelief in Victorian Britain." In *Science and Beliefs*, edited by KNIGHT and EDDY (2005) [ref. 16], 195–211.

1957. DUNLAP, Thomas R. "Is Half a Humboldt Better Than None? Numbers and Wisdom in Natural History." *Rev. Amer. Hist.* 35 (2007): 225–231.

Essay review of Aaron SACHS, *The Humboldt Current* (2006) [ref. 1967].

1958. FÜSSL, Wilhelm. *Oskar von Miller 1855–1934: Eine Biographie*. (452 pp.; ill.; bibl.; index.) München: Beck, 2005. ISBN: 3406529003.

Biography of the founding director of the Deutsches Museum in Munich and architect of Germany's electrical industry.

Reviews: [ref. R470]

1959. GREEN MUSSELMAN, Elizabeth. *Nervous Conditions: Science and the Body Politic in Early Industrial Britain*. (xi + 276 pp.; ill.; bibl.; index.) Albany: State University of New York Press, 2006. ISBN: 0791466795.

On how scientists' own physical weaknesses are important to consider in understanding the way that they developed their disciplined mental skills. Considers major British thinkers such as John Dalton, Lord Kelvin, Charles Babbage, and John Herschel.

Reviews: [ref. R531]

1960. JONES, Rajkumari Williamson. "John Dalton's Summer Holiday of 1840." *Manchester Region History Review* 16 (2002–2003): 13–21.

1961. KNOBLOCH, Eberhard. "Alexander von Humboldt: The Explorer and the Scientist." *Centaurus* 49 (2007): 3–14.

1962. LEWENS, Tim. *Darwin*. Routledge Philosophers. (xii + 289 pp.; bibl.; index.) London; New York: Routledge, 2007. ISBN: 0415346371.

Reviews: [ref. R827]

1963. MILLER, Sally M., and Daryl MORRISON. (Eds.) *John Muir: Family, Friends, and Adventures*. (xii + 281 pp.; ill.; bibl.; index.) Albuquerque: University of New Mexico Press, 2005. ISBN: 0826335306.

Contents: Bonnie Johanna GISEL, "Introduction: Meeting John Muir's Family, Friends, and Adventures Between the *Calypso borealis* and the *Araucaria imbricata*," 1–14; Ruth E. SUTTER, "John Muir and the John Swett Family," 15–30; Daryl MORRISON, "John Muir and the Bairns: Muir and His Relationship with Children," 31–64; Ronald H. LIMBAUGH, "California's Kindred Spirits: John Muir and William Keith," 65–82; Ronald H. LIMBAUGH, "Pride, Prejudice, and Patrimony: The Dispute Between George Wharton James and the Family and Friends of John Muir," 83–104; Ronald EBER, "'Wealth and Beauty': John Muir and Forest Conservation," 105–120; Char MILLER, "With Friends Like These: John Muir, Gifford Pinchot, and the Drama of Environmental Politics," 121–148; Daniel J. PHILIPPON, "Domesticity, Tourism, and the National Parks in John Muir's Late Writings," 149–168; Barbara MOSSBERG, "If Trees Are Us: A Relativity Theory Showing the Genius of John Muir's Domestic Vision of Nature for Public Policy and the National Ethos," 169–202; James Perrin WARREN, "Near and Far: Burroughs and Muir on the Harriman Alaska Expedition," 203–214; Bonnie Johanna GISEL, "'Those Who Walk Apart But Ever Together Are True Companions': Jeanne Carr and John Muir in the High Sierra," 215–234; Corey LEWIS, "Meeting Muir's Mountaintops," 235–248; Michael P. BRANCH, "John Muir's Travels to South America and Africa," 249–266.

1964. MORUS, Iwan Rhys. "(Stop) Talking About Victorian Science." *Ann. Sci.* 64 (2007): 93–100.

Essay review of Geoffrey CANTOR, Gowan DAWSON, Graeme GOODAY, Richard NOAKES, Sally

SHUTTLEWORTH, and Johnathan R. TOPHAM, *Science in the Nineteenth Century Periodical* (2004); Arthur Jack MEADOWS, *The Victorian Scientist* (2004).

1965. OLDROYD, David. "Following the Money: An Internalist Social History of a Scientist." *Metascience* 14 (2005): 391–399.

Essay review of Jack MORRELL, *John Phillips and the Business of Victorian Science* (2005).

1966. PATTON, Mark. *Science, Politics, and Business in the Work of Sir John Lubbock: A Man of Universal Mind*. Science, Technology and Culture, 1700–1945. (x + 270 pp.; ill.; bibl.; index.) Burlington, VT: Ashgate, 2007. ISBN: 9780754653219.

1967. SACHS, Aaron. *The Humboldt Current: Nineteenth-Century Exploration and the Roots of American Environmentalism*. (xii + 496 pp.; ill.; maps; bibl.; index.) New York: Viking, 2006. ISBN: 0670037753.

Argues that Humboldt had significant impact on American science and views of nature (including literary ones); focuses on four American explorer-naturalists: J. N. Reynolds, Clarence King, George Wallace Melville, and John Muir.

Reviews: [ref. 1957]

1968. SCHULTZ, Bart. *Henry Sidgwick, Eye of the Universe: An Intellectual Biography*. (xx + 858 pp.; bibl.; index.) Cambridge, UK; New York: Cambridge University Press, 2004. ISBN: 0521829674.

Reviews: [ref. R1229]

1969. WERNER, Petra. "Humboldt als Vermittler: Schleiden und Mohl contra Liebig." *Hist. Phil. Life Sci.* 23 (2001): 213–257.

On the role of German *Naturphilosophie* in the disciplinary disputes concerning botany, physiological chemistry, and plant morphology.

1970. ZHANG Han-jing. "On Sun Yat-sen's thoughts about developing science and technology." [Translated title.] In Chinese. *Kexue Jishu yu Bianzhengfa* 23, no. 1 (2006): 85–87.

On Sun's ideas about the need for China to develop science and technology to revitalize the country.

1971. ZOTT, Regine. "Justus Liebig (1803–1873): Erstrebtes, Erreichtes und mancherlei Effekte." *Mitt. Ges. Deut. Chem. Fachgr. Gesch. Chem.* 18 (2005): 73–96.

360-2. NATIONAL CONTEXTS

1972. CLIFFORD, David, Elisabeth WADGE, Alex WARWICK, and Martin WILLIS. (Eds.) *Repositioning Victorian Science: Shifting Centers in Nineteenth-Century Scientific Thinking*. (x + 254 pp.; bibl.; ill.) London: Anthem Press, 2006. ISBN: 1843312123.

Contents: Alex WARWICK, "Margins and Centres," 1–13; Caroline TROWBRIDGE, "'Speakers Concerning the Earth': Ruskin's Geology after 1860," 17–30 [ref. 2311]; Sherrie LYONS, "Swimming at the Edges of Scientific Respectability: Sea Serpents in the Victorian Era," 31–44 [ref. 2342]; Alastair J. DURIE, "'The Drugs, the Blister and the Lancet Are All Laid Aside': Hydropathy and Medical Orthodoxy in Scotland, 1840–1900," 45–57 [ref. 2542]; Alison BUTLER, "Anna Kingsford: Scientist and Sorceress," 59–69 [ref. 2089];

Lucy HARTLEY, "A Science for One or a Science for All? Physiognomy, Self-Help and the Practical Benefits Science," 71-82 [ref. 2470]; Susan David BERNSTEIN, "'Supposed Differences': Lydia Becker and Victorian Women's Participation in the BAAS," 85-93 [ref. 2046]; Elisabeth WADGE, "A Fair Trial for Spiritualism? Fighting Dirty in the *Pall Mall Gazette*," 95-106 [ref. 2093]; James MUSSELL, "'This Is Ours and for Us': The *Mechanic's Magazine* and Low Scientific Culture in Regency London," 107-117 [ref. 1994]; Ted UNDERWOOD, "How Did the Conservation of Energy Become 'The Highest Law in All Sciences'?" 119-130 [ref. 2002]; John M. LYNCH, "'Scriptural Geology': *Vestiges of the Natural History of Creation* and Contested Authority in Nineteenth-Century British Science," 131-141 [ref. 2036]; Donald L. OPITZ, "'This House Is a Temple of Research': Country-House Centers for Late Victorian Science," 143-153 [ref. 2087]; Bernd KLÄHN, "Fresnel's Particular Waves: Models of Light as Catalytic Modes of Worldmaking in Early Modern Times," 157-170 [ref. 313]; David CLIFFORD, "Repopulating Heaven: Victorian Lunar Studies and the Anxiety of Loneliness," 171-181 [ref. 2151]; Peter NACCARATO, "'You Should Get Your Head Examined': Freudian Psychoanalysis and the Limits of Nineteenth-Century Science," 183-196 [ref. 2476]; Heike BAUER, "Scholars, Scientists and Sexual Inverts: Authority and Sexuality in Nineteenth-Century Britain," 197-206 [ref. 2493]; Martin WILLIS, "Unmasking Immorality: Popular Oppositions to Laboratory Science in Late Victorian Britain," 207-218 [ref. 2003].

1973. DAUNTON, Martin. (Ed.) *The Organisation of Knowledge in Victorian Britain*. British Academy Centenary Monographs. (vii + 424 pp.; bibl.; index.) Oxford; New York: Published for the British Academy by Oxford University Press, 2005. ISBN: 0197263267.

Contents: John PICKSTONE, "Science in Nineteenth-Century England: Plural Configurations and Singular Politics," 29-60 [ref. 2088]; Jim ENDERSBY, "Classifying Sciences: Systematics and Status in Mid-Victorian Natural History," 61-85 [ref. 2377]; Lawrence GOLDMAN, "Victorian Social Science: From Singular to Plural," 87-114 [ref. 2496]; Keith TRIBE, "Political Economy and the Science of Economics in Victorian Britain," 115-137 [ref. 2514]; Daniel J. COHEN, "Reason and Belief in Victorian Mathematics," 139-158 [ref. 2115]; Frank M. TURNER, "Victorian Classics: Sustaining the Study of the Ancient World," 159-172; Michael BENTLEY, "The Evolution and Dissemination of Historical Knowledge," 173-197 [ref. 2518]; Josephine M. GUY, "Specialisation and Social Utility: Disciplining English Studies," 199-217; Carol ATHERTON, "The Organisation of Literary Knowledge: The Study of English in the Late Nineteenth Century," 219-234; John R. GIBBINS, "'Old Studies and New': The Organisation of Knowledge in University Curriculum," 235-261 [ref. 2073]; James RAVEN, "The Promotion and Constraints of Knowledge: The Changing Structure of Publishing in Victorian Britain," 263-286 [ref. 1997]; David MCKITTERICK, "Libraries, Knowledge and Public Identity," 287-312; Max JONES, "Measuring

the World: Exploration, Empire and the Reform of the Royal Geographical Society, c.1874-93," 313-336 [ref. 2324]; Samuel J. M. M. ALBERTI, "Civic Cultures and Civic Colleges in Victorian England," 337-356; W. C. LUBENOW, "Intimacy, Imagination and the Inner Dialectics of Knowledge Communities: The Synthetic Society, 1896-1908," 357-370; Mary BEARD and Christopher STRAY, "The Academy Abroad: The Nineteenth-Century Origin of the British School at Athens," 371-387; Richard DRAYTON, "The Strange Late Birth of the British Academy," 389-400.

Reviews: [ref. R322]

1974. KLEMUN, Marianne. "Natural Science and Geology as a Medium of Integration: The *Versammlung deutscher Naturforscher und Ärzte* in Prague in 1837 and the Meetings of German Natural Scientists and Physicians during the 'Vormärz' (1822-1848)." *Centaurus* 48 (2006): 284-297.

1975. SHARP, Patrick B. *Savage Perils: Racial Frontiers and Nuclear Apocalypse in American Culture*. (xiii + 270 pp.; ill.; bibl.; index.) Norman: University of Oklahoma Press, 2007. ISBN: 080613822X.

A study of the conflict between civilization and savagery in American culture, manifest in the American response to Darwinian ideas concerning race in the 19th century and again in the nuclear age.

1976. XU Fei and MAO Shi-zhen. "Historical influence of Chinese educational mission students on the development of science and technology in modern China in the Qing Dynasty." [Translated title.] In Chinese. *J. Dial. Natur.* 27, no. 2 (2005): 89-93.

On the contributions made by Chinese mission students who studied in America.

360-3. SOURCES OF INFORMATION

(includes bibliographies, electronic sources, and works on libraries, archives, and museums)

1977. CASATI, Stefano. "La donazione 'Galileo Ferraris'." *Nuncius* 19 (2004): 659-666.

Bibliography of Ferraris's library now held by the Istituto e Museo di Storia della Scienza di Firenze.

1978. HOSSFELD, Uwe, and Olaf BREIDBACH. *Haeckel-Korrespondenz: Übersicht über den Briefbestand des Ernst-Haeckel-Archivs*. (xxi + 810 pp.; ill.) Berlin: VWB, Verlag für Wissenschaft und Bildung, 2005. ISBN: 3861354896.

Reviews: [ref. R649]

1979. SCHMITHALS, Friedeman. (Ed.) *Wilhelm Ostwald: Ein Lesebuch*. Mitteilungen der Wilhelm-Ostwald-Gesellschaft zu Grossbothen e.V., Sonderheft 17. (196 pp.) Grossbothen: Vorstand der Wilhelm-Ostwald-Gesellschaft, 2004.

See also Karl HANSEL and Ulrike KÖCKRITZ (eds.), *Wilhelm Ostwald Gesamtschriftenverzeichnis* (2003) [ref. 2230] and James ALTENA and Karl HANSEL (eds.), *Wilhelm Ostwald Gesamtschriftenverzeichnis* (2002) [ref. 2211]

Reviews: [ref. R1216]

360-12. STUDIES OF LINGUISTIC AND VISUAL ASPECTS OF SCIENCE

1980. BREIDBACH, Olaf. *Visions of Nature: The Art and Science of Ernst Haeckel*. (299 pp.; ill.;

index; bibl.) Munich; London: Prestel, 2006. ISBN: 3791336649.

Reviews: [ref. R150]

1981. SECORD, James. "Scrapbook Science: Composite Caricatures in Late Georgian England." In *Figuring It Out*, edited by SHTEIR and LIGHTMAN (2006) [ref. 190], 164–191.

1982. SMITH, Jonathan. *Charles Darwin and Victorian Visual Culture*. (xxiii + 329 pp.; ill.; bibl.; index.) Cambridge: Cambridge University Press, 2006. ISBN: 0521856906.

On Darwin's use of illustrations in his works.

Reviews: [ref. R1283]

1983. TUCKER, Jennifer. "Gender and Genre in Victorian Scientific Photography." In *Figuring It Out*, edited by SHTEIR and LIGHTMAN (2006) [ref. 190], 140–163.

360-20. SCIENCE AND ITS INTERACTION WITH SOCIETY AND CULTURE, GENERAL WORKS
(includes popular culture; popularization of science; public understanding of science)

1984. ANGER, Suzy, Bernard LIGHTMAN, and Christopher HERBERT. "Book Review Forum." *Victorian Stud.* 45 (2003): 485–511.

Includes two reviews and a reply by the author.

Essay review of Christopher HERBERT, *Victorian Relativity* (2001).

1985. BARNETT, Richard. "Education or Degeneration: E. Ray Lankester, H. G. Wells and *The Outline of History*." *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 203–229.

1986. BOWLER, Peter J. "From Science to the Popularisation of Science: The Career of J. Arthur Thomson." In *Science and Beliefs*, edited by KNIGHT and EDDY (2005) [ref. 16], 231–248.

1987. ENGELHARDT, Dietrich von. "Bildung, Politik und Gesellschaft im Denken der romantischen Naturforscher um 1800." In *Christian Gottfried Nees von Esenbeck*, edited by ENGELHARDT et al. (2004) [ref. 2004], 149–164.

1988. FYFE, Aileen. "Expertise and Christianity: High Standards versus the Free Market in Popular Publishing." In *Science and Beliefs*, edited by KNIGHT and EDDY (2005) [ref. 16], 113–126.

1989. GATES, Barbara T. "Those Who Drew and Those Who Wrote: Women and Victorian Popular Science Illustration." In *Figuring It Out*, edited by SHTEIR and LIGHTMAN (2006) [ref. 190], 192–213.

1990. JONES, Rajkumari Williamson, and Terry WYKE. "Representations and Remembrances of Scientists in Manchester." *Manchester Region History Review* 17 (2004): 10–17.

1991. KELSEY, Robin. *Archive Style: Photographs and Illustrations for U.S. Surveys, 1850–1890*. (xii + 273 pp.; ill.; maps; bibl.; index.) Berkeley: University of California Press, 2007. ISBN: 9780520249356.

1992. KINRAIDE, Rebecca Brookfield. "The Society for the Diffusion of Useful Knowledge and the Democratization of Learning in Early Nineteenth-Century Britain." *Diss. Abstr. Int.* A 67/06 (2006).

Dissertation at The University of Wisconsin - Madison, 2006. Adviser: Broman, Thomas H. UMI pub. no. 3222947. 223 pp.

1993. KNIGHT, David. *Public Understanding of Science: A History of Communicating Scientific Ideas*. Routledge Studies in the History of Science, Technology and Medicine, 26. (232 pp.; bibl.; index.) London; New York: Routledge, 2006. ISBN: 0415206383.

Covers the period from the French Revolution to the First World War.

1994. MUSSELL, James. "‘This Is Ours and for Us’: The *Mechanic's Magazine* and Low Scientific Culture in Regency London." In *Repositioning Victorian Science*, edited by CLIFFORD et al. (2006) [ref. 1972], 107–117.

1995. MUSSELL, Jim. "The ‘Reviewers Reviewed’: Science in the Nineteenth-Century Periodical." *Meta-science* 14 (2005): 363–370.

Essay review of Louise HENSON, Geoffrey CANTOR, Gowan DAWSON, Richard NOAKES, Sally SHUTTLEWORTH, and Jonathan R. TOPHAM (eds.), *Culture and Science in the Nineteenth-Century Media* (2004); Geoffrey CANTOR, Gowan DAWSON, Graeme GOODAY, Richard NOAKES, Sally SHUTTLEWORTH, and Johnathan R. TOPHAM, *Science in the Nineteenth Century Periodical* (2004).

1996. PETTIT, Michael. "‘The Joy in Believing’: The Cardiff Giant, Commercial Deceptions, and Styles of Observation in Gilded Age America." *Isis* 97 (2006): 659–677.

1997. RAVEN, James. "The Promotion and Constraints of Knowledge: The Changing Structure of Publishing in Victorian Britain." In *The Organisation of Knowledge in Victorian Britain*, edited by DAUNTON (2005) [ref. 1973], 263–286.

1998. SHELANGOSKIE, Susan. "Transmitting the Home: Photography, Telegraphy and Victorian Domestic Narratives." *Diss. Abstr. Int.* A 66/11 (2006): 4034.

Dissertation at The University of Utah, 2006. Adviser: Stockton, Kathryn Bond. UMI pub. no. 3194836. 194 pp. "This study examines the specific relationship between domestic narratives and two related technological processes: photography and telegraphy." (from the abstract)

1999. SNYDER, Laura J. *Reforming Philosophy: A Victorian Debate on Science and Society*. (x + 386 pp.; ill.; bibl.; index.) Chicago: University of Chicago Press, 2006. ISBN: 0226767337.

On the debate between William Whewell and John Stuart Mill regarding the reform of philosophy and its role in political and social reform.

Reviews: [ref. R1292]

2000. SPRAUL-SCHMIDT, Judith. "Exhibiting the Changing World through the Ohio Mechanics Institute: From Annual Fairs and Exhibitions to Grand Expositions, 1838–1888." *Ohio Val. Hist.* 5 (2005): 37–46.

2001. TESLOW, Tracy. "Representing the Art and Industry of Progress: Cincinnati's Grand Exposition Posters." *Ohio Val. Hist.* 5 (2005): 47–54.

2002. UNDERWOOD, Ted. "How Did the Conservation of Energy Become ‘The Highest Law in All Sciences’?" In *Repositioning Victorian Science*, edited by CLIFFORD et al. (2006) [ref. 1972], 119–130.

Claims that the emerging industrial system and the worldview associated with it was central.

360-21. SCIENCE AND ETHICS

2003. WILLIS, Martin. "Unmasking Immorality: Popular Oppositions to Laboratory Science in Late Victorian Britain." In *Repositioning Victorian Science*, edited by CLIFFORD et al. (2006) [ref. 1972], 207–218.

Concerns animal experimentation.

360-22. SCIENCE AND POLITICS; SCIENCE AND LAW; SCIENCE AND ECONOMICS

(includes science policy, patronage, international relations)

2004. ENGELHARDT, Dietrich von, Andreas KLEIN-ERT, and Johanna BOHLEY. (Eds.) *Christian Gottfried Nees von Esenbeck: Politik und Naturwissenschaften in der ersten Hälfte des 19. Jahrhunderts: Leopoldina-Meeting am 20. und 21. Juni 2003 in Halle (Saale)*. Acta Historica Leopoldina, 43. (245 pp.; ill.) Halle (Saale): Deutsche Akademie der Naturforscher Leopoldina, 2004. ISBN: 3804721532. Contents: Gunnar BERG, "Einführung," 17; Michael KAASCH, "Das Bestehende und das Werdende - Akademieerneuerung und Reformansätze unter Nees von Esenbeck," 19-71; Uta MONECKE and Johanna BOHLEY, "Zur Amtlichen Korrespondenz zwischen Christian Gottfried Nees von Esenbeck und Karl Sigmund Freiherr von Altenstein," 73-98; Thomas P. BECKER, "Der Rang der Naturwissenschaften in den ersten Jahren der Universität Bonn," 115-131 [ref. 2068]; Gert SCHUBRING, "Das Bonner naturwissenschaftliche Seminar (1825-1887) - Eine Fallstudie zur Disziplinendifferenzierung," 133-148 [ref. 2082]; Dietrich von ENGELHARDT, "Bildung, Politik und Gesellschaft im Denken der romantischen Naturforscher um 1800," 149-164 [ref. 1987]; Thomas BACH, "Zur Institutionalisierung der Naturphilosophie in Jena," 167-184 [ref. 2094]; Klaus RIES, "Zwischen Wissenschaft, Politik und Öffentlichkeit. Lorenz Okens Naturphilosophie als nationalpolitisches Programm," 185-199 [ref. 2006]; Martin KIRSCHKE, "Karl Wilhelm Gottlob Kastner - Lehre im Konflikt mit dem preußischen Staat," 201-214 [ref. 2005]; Hans Joachim MEYER, "Wem gehört der Punkt des Archimedes? Zum Verhältnis von wissenschaftlicher Freiheit und politischer Verantwortung Öffentlicher Abendvortrag am 20. Juni 2003," 223-235 [ref. 206].

Reviews: [ref. R395]

2005. KIRSCHKE, Martin. "Karl Wilhelm Gottlob Kastner - Lehre im Konflikt mit dem preußischen Staat." In *Christian Gottfried Nees von Esenbeck*, edited by ENGELHARDT et al. (2004) [ref. 2004], 201–214.

2006. RIES, Klaus. "Zwischen Wissenschaft, Politik und Öffentlichkeit. Lorenz Okens Naturphilosophie als nationalpolitisches Programm." In *Christian Gottfried Nees von Esenbeck*, edited by ENGELHARDT et al. (2004) [ref. 2004], 185–199.

2007. SALDAÑA, Juan José. "Science and Freedom: Science and Technology as a Policy of the New American States." In *Science in Latin America*, by SALDAÑA (2006) [ref. 33], 151–162.

2008. WARNER, Deborah Jean. "How Sweet It Is: Sugar, Science, and the State." *Ann. Sci.* 64 (2007): 147–170.

On the attempt by the 19th-century U.S. government to measure the saccharine content of samples of sugar for tax assessment.

2009. WENDLING, Amy E. "On Alienation and Machine Production: Capitalist Embodiment in Karl Marx." *Diss. Abstr. Int. A* 67/08 (2007).

Dissertation at The Pennsylvania State University, 2006. Adviser: Conway, Daniel W. UMI pub. no. 3229345. 294 pp.

360-23. SCIENCE AND LITERATURE; SCIENCE AND ART

(includes drama and performing arts)

2010. ANDERSON, Christopher Todd. "Nothing Lowly: The Anti-Picturesque in American Nature Poetry." *Diss. Abstr. Int. A* 67/06 (2006).

Dissertation at University of Connecticut, 2006. Adviser: Gatta, John. UMI pub. no. 3221526. 306 pp. Surveys development of depictions of unattractive and violent or disordered aspects of nature in 19th and 20th centuries.

2011. BROWNE, Janet. "Constructing Darwinism in Literary Culture." In *Unmapped Countries*, edited by ZWIERLEIN (2005) [ref. 2389], 55–69.

2012. CALDWELL, Janis McLarren. *Literature and Medicine in Nineteenth-Century Britain: From Mary Shelley to George Eliot*. Cambridge Studies in Nineteenth-Century Literature and Culture. (xi + 201 pp.; bibl.; index.) Cambridge, U.K. / New York: Cambridge University Press, 2005. ISBN: 0521843340.

2013. GILLESPIE, Sarah Catherine. "Samuel F. B. Morse and the Daguerreotype: Art and Science in American Culture, 1835–55." *Diss. Abstr. Int. A* 67/08 (2007).

Dissertation at City University of New York, 2006. Adviser: Manthorne, Katherine. Pub. no. AAT 3232008. 311 pp. Explores Morse's work with John William Draper on the daguerreotype as a transitional period between his life as a painter and his invention of the telegraph.

2014. KALADIOUK, Anna Schur. "On 'Sticking to the Fact' and 'Understanding Nothing': Dostoevsky and the Scientific Method." *Russ. Rev.* 65 (2006): 417–438.

2015. KARL, Alexandra. "'Naturfreund' or 'Naturfeind'? Darwinism in the Early Drawings of Alfred Kubin." In *Unmapped Countries*, edited by ZWIERLEIN (2005) [ref. 2389], 117–132.

2016. KERN-STÄHLER, Annette. "Homer on the Evolutionary Scale: Interrelations between Biology and Literature in the Writings of William Gladstone and Grant Allen." In *Unmapped Countries*, edited by ZWIERLEIN (2005) [ref. 2389], 107–115.

2017. LEJA, Michael. *Looking Askance: Skepticism and American Art from Eakins to Duchamp*. (xiii + 300 pp.; ill.; bibl.; index.) Berkeley: University of California Press, 2004. ISBN: 0520238079.

Explores American visual culture around the turn of the 20th century and the relationship between seeing and truth.

2018. LINDHOLDT, Paul J. "West of Winthrop: Landscape and Language in the Washington Territory." Part of a special issue on "Exploration and Adventure in the 19th-Century American West" [ref. 2316]. *ATQ* 18 (2004): 155–177.

On the environmental philosophy and racial content of Winthrop's adventure books.

2019. OTIS, Laura. "Cells and Networks in Nineteenth-Century Literature." In *Unmapped Countries*, edited by ZWIERLEIN (2005) [ref. 2389], 135–143.

2020. PEARL, Sharrona. "Building Beauty: Physiognomy on the Gas-Lit Stage." *Endeavour* 30 (2006): 84–89.

2021. PEREZ, Kimberly E. "Fancy and Imagination: Cultivating Sympathy and Envisioning the Natural World for the Modern Child." *Diss. Abstr. Int. A* 67/10 (2007).

Dissertation at The University of Oklahoma, 2006. Adviser: Pandora, Katherine. UMI pub. no. 3237839. 365 pp. Explores the works of Liberty Hyde Bailey, Dean of the College of Agriculture at Cornell, and Mabel Osgood Wright, an author of nature field guides and narratives for children.

2022. PHILIPPON, Daniel J. "Thoreau's Notes on the 'Journey West': Nature Writing or Environmental History?" *ATQ* 18 (2004): 105–117.

2023. RUSSELL, Nicholas. "Science and Scientists in Victorian and Edwardian Literary Novels: Insights into the Emergence of a New Profession." *Public Underst. Sci.* 16 (2007): 205–222.

2024. SLEIGH, Charlotte. "'This Questionable Little Book': Narrative Ambiguity in Nineteenth Century Literature of Science." In *Unmapped Countries*, edited by ZWIERLEIN (2005) [ref. 2389], 15–26.

Looks at 19th-century literature by Bentham, Shelley, Carlyle, Poe, Kingsley, and Wells.

2025. STILES, Anne. "Cerebral Automatism, the Brain, and the Soul in Bram Stoker's *Dracula*." *J. Hist. Neurosci.* 15 (2006): 131–152.

Claims that Stoker's 1897 novel is indebted to late-Victorian neurologists, particularly David Ferrier, John Burdon-Sanderson, Thomas Huxley, and William Carpenter.

360-26. SCIENCE AND RACE; SCIENCE AND ETHNICITY

(for eugenics, see 135-*Human biology and 150-Medicine*)

2026. AGUILAR, Filomeno V., Jr. "Tracing Origins: *Illustrado* Nationalism and the Racial Science of Migration Waves." *J. Asian Stud.* 64 (2005): 605–637.

"Looks at the ways in which late nineteenth-century Filipino nationalists made use of European racist ideas to construct a Filipino national identity." (from the abstract)

2027. WASHINGTON, Sylvia Hood. *Packing Them In: An Archaeology of Environmental Racism in Chicago, 1865–1954*. (x + 215 pp.; bibl.; index.) Lanham: Lexington Books, 2005. ISBN: 0739105728.

Includes a discussion of the rise of scientific racism as well as the racial nature of control over scientific knowledge.

Reviews: [ref. R1419]

360-27. SCIENCE AND GENDER

(for women scientists, look also under specific topics and time periods)

2028. CORRÊA, Mariza. *Antropólogas e antropologia*. Humanitas, 88. (278 pp.; ill.; bibl.) Belo Horizonte: Editora UFMG, 2003. ISBN: 8570412991.

2029. LIGHTMAN, Bernard. "Depicting Nature, Defining Roles: The Gender Politics of Victorian Illustration." In *Figuring It Out*, edited by SHTEIR and LIGHTMAN (2006) [ref. 190], 214–239.

2030. RENSING, Susan Marie. "Feminist Eugenics in America: From Free Love to Birth Control, 1880–1930." *Diss. Abstr. Int. A* 67/06 (2006).

Dissertation at the University of Notre Dame, 2006. Adviser: Vanden Bossche, Chris and Kathy Psomides. UMI pub. no. 3221321. 196 pp.

2031. TÖNNIES, Merle. "'Serious' Science versus 'Light' Entertainment? Femininity Concepts in Nineteenth Century British Medical Discourse and Popular Fiction." In *Unmapped Countries*, edited by ZWIERLEIN (2005) [ref. 2389], 183–192.

360-28. SCIENCE AND RELIGION

2032. ARTIGAS, Mariano, Thomas F. GLICK, and Rafael A. MARTÍNEZ. *Negotiating Darwin: The Vatican Confronts Evolution, 1877–1902*. Medicine, Science, and Religion in Historical Context. (vii + 326 pp.; bibl.; index.) Baltimore: Johns Hopkins University Press, 2006. ISBN: 080188389X.

Drawing on primary sources from the Vatican, this book focuses on six Catholics who sought to integrate evolution with Christianity and the response of the Church.

Reviews: [ref. R35]

2033. GREGORIO, Mario A. di. *From Here to Eternity: Ernst Haeckel and Scientific Faith*. Religion, Theology, and Natural Science, 3. (637 pp.; ill.; bibl.; index.) Göttingen: Vandenhoeck & Ruprecht, 2005. ISBN: 3525569726.

Reviews: [ref. R538]

2034. HEIDE, Janneke van der. "Darwin's Young Admirers." *Endeavour* 30 (2006): 103–107.

On the Darwin family reaction to the posthumous publication of Darwin's agnostic religious views by a young Dutch admirer.

2035. JAMES, Frank A. J. L. "An 'Open Clash between Science and the Church': Wilberforce, Huxley and Hooker on Darwin at the British Association, Oxford, 1860." In *Science and Beliefs*, edited by KNIGHT and EDDY (2005) [ref. 16], 171–193.

2036. LYNCH, John M. "'Scriptural Geology': *Vestiges of the Natural History of Creation* and Contested Authority in Nineteenth-Century British Science." In *Repositioning Victorian Science*, edited by CLIFFORD et al. (2006) [ref. 1972], 131–141.

2037. NOAKES, Richard. "Cromwell Varley FRS, Electrical Discharge and Victorian Spiritualism." *Notes Rec. Roy. Soc. Lond.* 61 (2007): 5–21.

2038. RAIA, Courtenay Grean. "From Ether Theory to Ether Theology: Oliver Lodge and the Physics of Immortality." *J. Hist. Behav. Sci.* 43 (2007): 18–43.

2039. SYDOW, Momme von. "Charles Darwin: A Christian Undermining Christianity?" In *Science*

and Beliefs, edited by KNIGHT and EDDY (2005) [ref. 16], 141–156.

2040. VERSEN, Christopher R. “Optimistic Liberals: Herbert Spencer, The Brooklyn Ethical Association, and the Integration of Moral Philosophy and Evolution in the Victorian Trans-Atlantic Community.” *Diss. Abstr. Int. A* 67/04 (2006).

Dissertation at Florida State University, 2006. Adviser: Jumonville, Neil. UMI pub. no. 3216555. 280 pp.

2041. WAHL, William Henry. “Suffering Truth: Interpretation, Religion, and Science in Nietzsche and Freud.” *Diss. Abstr. Int. A* 67/07 (2007): 2617.

Dissertation at University of Toronto (Canada), 2006. UMI pub. no. NR16042. 279 pp. “I argue that a facile adoption of science as a social redeemer of suffering does little to advance our psychological, interpretive, or cultural well-being.” (from the abstract)

360-29. SCIENCE AND WAR

2042. BRADY, Lisa M. “The Wilderness of War: Nature and Strategy in the American Civil War.” *Environ. Hist.* 10 (2005): 421–447.

2043. COCK, Randolph. “Scientific Servicemen in the Royal Navy and the Professionalisation of Science, 1816–55.” In *Science and Beliefs*, edited by KNIGHT and EDDY (2005) [ref. 16], 95–111.

2044. LÜDECKE, Cornelia. *Carl Ritters Lehtätigkeit an der Allgemeinen Kriegsschule in Berlin (1820–1853)*. (97 pp.; ill.) Berlin: Verlag für Wissenschafts- und Regionalgeschichte Engel, 2002. ISBN: 3929134381.

Reviews: [ref. R864]

360-40. SCIENTIFIC INSTITUTIONS

(includes awards and prizes)

2045. BARRERA, Caroline. *Les sociétés savantes de Toulouse au XIX^e siècle, 1797–1865*. CTHS histoire. (435 pp.; ill.) Paris: Editions du CTHS, 2003. ISBN: 2735505510.

Reviews: [ref. R61]

2046. BERNSTEIN, Susan David. “‘Supposed Differences’: Lydia Becker and Victorian Women’s Participation in the BAAS.” In *Repositioning Victorian Science*, edited by CLIFFORD et al. (2006) [ref. 1972], 85–93.

2047. BOWMAN BAYLES, Ruth Margaret. “Science in Its Local Context: The Belfast Natural History and Philosophical Society in the Mid-Nineteenth Century.” *Diss. Abstr. Int. C* 67/01 (2006): 88.

Dissertation at Queen’s University of Belfast (United Kingdom), 2005. UMI pub. no. C822493.

2048. CAIN, Victoria Elizabeth Moffit. “Nature under Glass: Popular Science, Professional Illusion and the Transformation of American Natural History Museums, 1870–1940.” *Diss. Abstr. Int. A* 68/01 (2007).

Dissertation at Columbia University, 2007. Adviser: Foner, Eric. Pub. no. AAT 3249066. 418 pp.

2049. EWING, Heather. *The Lost World of James Smithson: Science, Revolution, and the Birth of the*

Smithsonian. (x + 432 pp.; ill.; index.) New York: Bloomsbury, 2007. ISBN: 1596910291.

2050. GISPERT, Hélène. “‘Par la science, pour la patrie’, l’Association française pour l’avancement des sciences (AFAS), 1872–1914 : Un projet d’histoire des sciences et de leur diffusion.” *Rev. Hist. Sci.* 55 (2002): 295–300.

2051. HIGGITT, Rebekah. “Why I Don’t FRS My Tail: Augustus De Morgan and the Royal Society.” *Notes Rec. Roy. Soc. Lond.* 60 (2006): 253–259.

2052. JACKSON, Catherine M. “Re-examining the Research School: August Wilhelm Hofmann and the Re-creation of a Liebigian Research School in London.” *Hist. Sci.* 44 (2006): 281–319.

2053. KNAPP, Sandra, and J. R. PRESS. *The Gilded Canopy: Botanical Ceiling Panels of the Natural History Museum*. (168 pp.; ill.; bibl.; index.) London: Natural History Museum, 2005. ISBN: 9780565091989.

Reviews: [ref. R748]

2054. NESWALD, Elizabeth. “Science, Sociability and the Improvement of Ireland: The Galway Mechanics’ Institute, 1826–51.” *Brit. J. Hist. Sci.* 39 (2006): 503–534.

2055. STEIF, Yvonne. *Wenn Wissenschaftler feiern: Die Versammlungen deutscher Naturforscher und Ärzte 1822 bis 1913*. Schriftenreihe zur Geschichte der Versammlungen Deutscher Naturforscher und Ärzte, 10. (345 pp.) Stuttgart: Wissenschaftliche Verlagsgesellschaft, 2003. ISBN: 3804720110.

Reviews: [ref. R1311]

360-41. SCIENTIFIC INSTRUMENTS

(includes science of measurement)

2056. BIGG, Charlotte. “Spectroscopic Metrologies.” Part of a special section on “Spectroscopy Histories” [ref. 244]. *Nuncius* 18 (2003): 765–777.

2057. BROCK, William H. “The Radiometer and Its Lessons: William Carpenter versus William Crookes.” In *Science and Beliefs*, edited by KNIGHT and EDDY (2005) [ref. 16], 213–229.

2058. HAYTON, Susan J. “Robert Mann Lowne, 1844–1929.” *Trans. Newcomen Soc.* 76 (2006): 23–50.

On the career of this instrument maker, whose many patents cover a wide range of devices.

2059. HENNIG, Jochen. “Bunsen, Kirchhoff, Steinheil and the Elaboration of Analytical Spectroscopy.” Part of a special section on “Spectroscopy Histories” [ref. 244]. *Nuncius* 18 (2003): 741–754.

2060. HENTSCHEL, Klaus. “Gauss, Meyerstein, and Hanoverian Metrology.” *Ann. Sci.* 64 (2007): 41–75.

2061. JOHNSTON, Sean F. “An Unconvincing Transformation? Michelson’s Interferential Spectroscopy.” Part of a special section on “Spectroscopy Histories” [ref. 244]. *Nuncius* 18 (2003): 803–823.

2062. MORRISON-LOW, A. D. *Making Scientific Instruments in the Industrial Revolution*. Science, Technology and Culture, 1700–1945. (xvi + 408 pp.; ill.; bibl.; index.) Burlington, VT: Ashgate, 2007. ISBN: 0754657582.

2063. SCHWENK, Ernst F. "Friedlieb Runge and His Capillary Designs." *Bull. Hist. Chem.* 30 (2005): 30–34.

2064. SINGH, Rajinder. "Designing, Making and Using Scientific Instruments in India: The Example of Jagadis Chunder Bose." Part of a special section: "Instrument Case Studies, 1850–1950" [ref. 2875]. *Nuncius* 19 (2004): 713–723.

2065. STALEY, Richard. "The Interferometer and the Spectroscope: Michelson's Standards and the Spectroscopic Community." Part of a special section on "Spectroscope Histories" [ref. 244]. *Nuncius* 18 (2003): 779–801.

2066. STOCK, John T. "Gabriel Lippmann and the Capillary Electrometer." *Bull. Hist. Chem.* 29 (2004): 16–20.

360-42. SCIENCE EDUCATION

(includes history of educational institutions)

2067. ANDUAGA, Aitor. "L'enseignement universitaire de la cosmographie et de la physique du globe en Espagne au cours de la Restauration (1874–1920): quelques réflexions historiographiques." *Arch. Int. Hist. Sci.* 54, no. 153 (2004): 111–134.

2068. BECKER, Thomas P. "Der Rang der Naturwissenschaften in den ersten Jahren der Universität Bonn." In *Christian Gottfried Nees von Esenbeck*, edited by ENGELHARDT et al. (2004) [ref. 2004], 115–131.

2069. CHRISTENSSON, Jakob. Essay review. *Lych-nos* (2003): 268–273.

Essay review of Petra RANTATALO, *Den resande eleven* (2002).

2070. ELLIOTT, Paul. "'Improvement, Always and Everywhere': William George Spencer (1790–1866) and Mathematical, Geographical and Scientific Education in Nineteenth-Century England." *Hist. Educ.* 33 (2004): 391–417.

2071. ELLIOTT, Paul, and Stephen DANIELS. "Pestalozzianism, Natural History and Scientific Education in Nineteenth-Century England: The Pestalozzian Institution at Worktop, Nottinghamshire." *Hist. Educ.* 34 (2005): 295–313.

2072. FRYE, Ellen. (Ed.) *Knowledge with Know-how: Thayer School of Engineering at Dartmouth*. Foreword by Myron TRIBUS. (220 pp.; ill.; index.) Lebanon, NH: University Press of New England, 2007. ISBN: 1584656506.

2073. GIBBINS, John R. "'Old Studies and New': The Organisation of Knowledge in University Curriculum." In *The Organisation of Knowledge in Victorian Britain*, edited by DAUNTON (2005) [ref. 1973], 235–261.

2074. GOUGH, Ruby L. *Robert Edwards Holloway: Newfoundland Educator, Scientist, Photographer, 1874–1904*. (xvii + 274 pp.; ill.; maps; bibl.; index.) Montreal: McGill-Queen's University Press, 2005. ISBN: 0773528520.

Reviews: [ref. R519]

2075. HOWARD, Thomas A. *Protestant Theology and the Making of the Modern German University*. (xii + 468 pp.; bibl.; index.) Oxford; New York: Oxford University Press, 2006. ISBN: 0199266859.

Includes a chapter "Theology, *Wissenschaft*, and the Founding of the University of Berlin."

Reviews: [ref. R653]

2076. HULIN, Nicole, and Bénédicte BILODEAU. *Les femmes et l'enseignement scientifique*. Sciences, histoire, société. (xi + 227 pp.; bibl.; index.) Paris: Presses universitaires de France, 2002. ISBN: 2130526594.

Reviews: [ref. R666]

2077. HULIN, Nicole. "Histoire des sciences et enseignement scientifique au lycée sous la Troisième République." Part of special section: "L'enseignement de l'histoire des sciences en France sous la Troisième République" [ref. 249]. *Rev. Hist. Sci.* 58 (2005): 389–405.

2078. KURZ, Christopher A. N. "Mathematics Education for the Deaf in the United States: A Historical Analysis of the Nineteenth Century." *Diss. Abstr. Int.* A 67/04 (2006): 1252.

Dissertation at The University of Kansas, 2006.

Adviser: Hillesheim, James. UMI pub. no. 3216282. 390 pp.

2079. LOCQUENEUX, Robert. "L'intérêt de l'histoire de la physique pour la formation des physiciens selon Henri Bouasse." Part of special section: "L'enseignement de l'histoire des sciences en France sous la Troisième République" [ref. 249]. *Rev. Hist. Sci.* 58 (2005): 407–431.

2080. MARCUS, Alan I. "If All the World Were Mechanics and Farmers: Democracy and the Formative Years of Land-Grant Colleges in America." *Ohio Val. Hist.* 5 (2005): 23–36.

2081. NEMEC, Mark R. *Ivory Towers and Nationalist Minds: Universities, Leadership, and the Development of the American State*. (x + 301 pp.; bibl.; index.) Ann Arbor: University of Michigan Press, 2006. ISBN: 0472099124.

Reviews: [ref. R1001]

2082. SCHUBRING, Gert. "Das Bonner naturwissenschaftliche Seminar (1825–1887) - Eine Fallstudie zur Disziplinendifferenzierung." In *Christian Gottfried Nees von Esenbeck*, edited by ENGELHARDT et al. (2004) [ref. 2004], 133–148.

2083. SZÖGI, László. *Magyarországi diákok németországi egyetemeken és foiskolákon, 1789–1919*. Translated title: [Ungarländische studenten an den Deutschen universitäten und hochschulen]. In Hungarian. Magyarországi diákok egyetemjárása az újkorban, 5. (861 pp.; ill.; bibl.; index.) Budapest: Eötvös Loránd Tudományegyetem Levéltára, 2001. ISBN: 9634635148.

Reviews: [ref. R1339]

360-43. PROFESSIONAL ACTIVITIES OF SCIENTISTS

(includes peer review and scientific publication)

2084. BOHLEY, Johanna. (Ed.) *Christian Gottfried Nees von Esenbeck: Ausgewählter Briefwechsel mit Schriftstellern und Verlegern (Johann Friedrich von Cotta, Johann Georg von Cotta, Therese Huber, Ernst Otto Lindner, Friederike Kempner)*. Acta Historica Leopoldina, 41. (424 pp.; ill.) Halle (Saale): Deutsche Akademie der Naturforscher Leopoldina, 2003. ISBN: 3804720021.

Reviews: [ref. R116]

2085. COEN, Deborah R. "A Lens of Many Facets: Science through a Family's Eyes." *Isis* 97 (2006): 395–419.

"The focus here is on their collaborative research on color theory at the turn of the twentieth century." (from the abstract)

2086. KANZ, Kai Torsten. (Ed.) *Christian Gottfried Nees von Esenbeck: Briefwechsel mit Johann Wolfgang von Goethe nebst ergänzenden Schreiben*. Acta Historica Leopoldina, 40. (470 pp.; ill.) Halle (Saale): Deutsche Akademie der Naturforscher Leopoldina, 2003. ISBN: 3804720013.

Reviews: [ref. R710]

2087. OPITZ, Donald L. "This House Is a Temple of Research": Country-House Centers for Late Victorian Science." In *Repositioning Victorian Science*, edited by CLIFFORD et al. (2006) [ref. 1972], 143–153.

Lord Rayleigh's residential research center is contrasted with the professionalization of science in dedicated labs.

2088. PICKSTONE, John. "Science in Nineteenth-Century England: Plural Configurations and Singular Politics." In *The Organisation of Knowledge in Victorian Britain*, edited by DAUNTON (2005) [ref. 1973], 29–60.

"This essay covers...the diversity of conceptual structures, the relations of various sciences with state and professional institutions, and the meanings of science as a claimed unity." (p. 31)

360-101. OCCULT SCIENCES; MAGIC

(includes scientific anomalies; see also 111-Astrology and 114-Alchemy)

2089. BUTLER, Alison. "Anna Kingsford: Scientist and Sorceress." In *Repositioning Victorian Science*, edited by CLIFFORD et al. (2006) [ref. 1972], 59–69.

2090. FANDRICH, Ina J. "The Birth of New Orleans' Voodoo Queen: A Long-Held Mystery Resolved." *Louisiana Hist.* 46 (2005): 293–310.

2091. LONG, Carolyn Morrow. "Marie Laveau: A Nineteenth-Century Voodoo Priestess." *Louisiana Hist.* 46 (2005): 263–292.

2092. RAI, Courtenay Grean. "The Substance of Things Hoped For: Faith, Science and Psychical Research in the Victorian Fin de Siècle." *Diss. Abstr. Int.* A 67/05 (2006): 1877.

Dissertation at University of California, Los Angeles, 2005. Adviser: Porter, Theodore. UMI pub. no. 3218629. 449 pp.

2093. WADGE, Elisabeth. "A Fair Trial for Spiritualism? Fighting Dirty in the *Pall Mall Gazette*." In *Repositioning Victorian Science*, edited by CLIFFORD et al. (2006) [ref. 1972], 95–106.

On a confrontation between Daniel Home and John Tyndall.

360-102. HISTORY OF PHILOSOPHY; HISTORY OF IDEAS

(includes history of philosophy of science)

2094. BACH, Thomas. "Zur Institutionalisierung der Naturphilosophie in Jena." In *Christian Gottfried Nees von Esenbeck*, edited by ENGELHARDT et al. (2004) [ref. 2004], 167–184.

2095. BITBOL, Michel, and Jean GAYON. (Eds.) *L'épistémologie française, 1830–1970*. Science, histoire et société. (vii + 501 pp.; bibl.; index.) Paris: Presses universitaires de France, 2006. ISBN: 2130501125.

2096. FERRIANI, Maurizio. "Peirce e i diagrammi di Eulero-Venn." *Dianoia* 7 (2002): 205–232.

2097. FRIEDMAN, Michael, and Alfred NORDMANN. (Eds.) *The Kantian Legacy in Nineteenth Century Science*. Dibner Institute for the History of Science and Technology. (vi + 370 pp.; bibl.; index.) Cambridge, Mass.: MIT Press, 2006. ISBN: 0262062542.

Contents: Frederick BEISER, "Kant and Naturphilosophie," 7–26; Robert J. RICHARDS, "Nature Is the Poetry of Mind, or How Schelling Solved Goethe's Kantian Problems," 27–50; Michael FRIEDMAN, "Kant-Naturphilosophie-Electromagnetism," 51–80 [ref. 1754]; Frederick GREGORY, "Extending Kant: The Origins and Nature of Jakob Friedrich Fries's Philosophy of Science," 81–100; Helmut PULTE, "Kant, Fries, and the Expanding Universe of Science," 101–122; Robert DiSALLE, "Kant, Helmholtz, and the Meaning of Empiricism," 123–140; Timothy LENOIR, "Operationalizing Kant: Manifolds, Models, and Mathematics in Helmholtz's Theories of Perception," 141–210 [ref. 2473]; Alan RICHARDSON, "The Fact of Science' and Critique of Knowledge: Exact Science as Problem and Resource in Marburg Neo-Kantianism," 211–226; Michael HEIDELBERGER, "Kantianism and Realism: Alois Riehl (and Moritz Schlick)," 227–248; Alfred NORDMANN, "Critical Realism, Critical Idealism, and Critical Common-Sensism: The School and World Philosophies of Riehl, Cohen, and Peirce," 249–274; Janet FOLINA, "Poincaré's Circularity Arguments for Mathematical Intuition," 275–294 [ref. 2120]; Jeremy GRAY, "Poincaré—Between Physics and Philosophy," 295–314 [ref. 2176]; Jesper LUTZEN, "Images and Conventions: Kantianism, Empiricism, and Conventionalism in Hertz's and Poincaré's Philosophies of Space and Mechanics," 315–330 [ref. 2193].

Reviews: [ref. R460]

2098. MORRI, Luciana. "Determinismo, ragione e tradizione nella riflessione di Tocqueville sulla democrazia." *Dianoia* 5 (2000): 131–154.

2099. SCHMAUS, Warren. "Renouvier and the Method of Hypothesis." *Stud. Hist. Phil. Sci.* 38 (2007): 132–148.

"Charles Bernard Renouvier was among the first philosophers in France to break with the nineteenth-century inductivist tradition and defend the use of hypotheses in science." (from the abstract)

2100. STÖLTZNER, Michael. "Franz Serafin Exner's Indeterminist Theory of Culture." *Phys. Persp.* 4 (2002): 267–319.

Explains how Serafin used his understanding of the laws of nature to explain human culture.

2101. STUMP, David J. "Pierre Duhem's Virtue Epistemology." *Stud. Hist. Phil. Sci.* 38 (2007): 149–159.

On Duhem's view that scientists must use "good sense" and hold intellectual and moral values in order to decide among competing theories.

360-103. MATHEMATICS

2102. ALEXANDER, Amir R. "Tragic Mathematics: Romantic Narratives and the Refounding of Mathematics in the Early Nineteenth Century." Focus: "Mathematical Stories" [ref. 271]. *Isis* 97 (2006): 714–726.

2103. BARBIN, Évelyne, and René GUITART. "Algèbre des fonctions elliptiques et géométrie des ovales cartésiennes." *Rev. Hist. Math.* 7 (2001): 161–205.

Claims that "researches on cartesian ovals over the course of the 19th century attest to the revival of geometrical methods and illustrate a competition between these methods and analytic calculations." (from the abstract)

2104. BECKERS, Danny J. "Positive Thinking: Conceptions of Negative Quantities in the Netherlands and the Reception of Lacroix's Algebra Textbook." *Rev. Hist. Math.* 6 (2000): 95–126.

"This paper discusses theories of negative numbers emerging in the Netherlands in the early 19th century," and how Dutch mathematicians dealt with them differently than mathematicians in Germany or France. (from the abstract)

2105. BECVÁROVÁ, Martina. "Euclid's Elements in the Czech Lands." *NTM* 13 (2005): 156–167.

2106. BELNA, Jean Pierre. "Frege et la géométrie projective : la *Dissertation inaugurale* de 1873." *Rev. Hist. Sci.* 55 (2002): 379–410.

2107. BELNA, Jean-Pierre. *Cantor. Figures du savoir*, 20. (238 pp.; bibl.) Paris: Les Belles Lettres, 2000. ISBN: 2251760245.

Reviews: [ref. R77]

2108. BELNA, Jean-Pierre. "Objectivité et principe de dualité : Le paragraphe 26 des *Fondements de l'arithmétique* de Frege." *Rev. Hist. Sci.* 59 (2006): 319–344.

2109. BÖLLING, Reinhard. "Ein aufgefundener früher Brief Kummers am Beginn seiner Korrespondenz mit Jacobi." *NTM* 13 (2005): 238–257.

2110. BONIFACE, Jacqueline, and Norbert SCHAPACHER. "'Sur le concept de nombre en mathématique' : Cours inédit de Leopold Kronecker à Berlin (1891)." *Rev. Hist. Math.* 7 (2001): 207–275.

This is the publication of Kronecker's last lecture course.

2111. BRÅTING, Kajsa. "A New Look at E.G. Björling and the Cauchy Sum Theorem." *Arch. Hist. Exact Sci.* 61 (2007): 519–535.

2112. BRAVER, Seth Philip. "Lobachevski Illuminated: Content, Methods, and Context of the 'Theory of Parallels.'" *Diss. Abstr. Int.* A 68/03 (2007).

Dissertation at University of Montana, 2007. Advisor: George, Gregory St. and Karel Stroethoff. Pub. no. AAT 3257898. 319 pp. Consists of a new English version of Lobachevski's "Geometrische Untersuchungen zur Theorie der Parallellinien," with mathematical, historical, and philosophical commentary.

2113. CARBONE, Luciano, Romano GATTO, and Franco PALLADINO. "Il carteggio Amodeo." *Nuncius* 15 (2000): 681–719.

Bibliography of works and correspondence of the mathematician/historian Federico Amodeo (1859–1946).

2114. COHEN, Daniel J. *Equations from God: Pure Mathematics and Victorian Faith*. Johns Hopkins Studies in the History of Mathematics. (x + 242 pp.; bibl.; index.) Baltimore: Johns Hopkins University Press, 2007. ISBN: 9780801885532.

On the rebirth of abstract mathematics, its connections to divinity, and how this thinking eventually abetted the development of secular philosophies.

2115. COHEN, Daniel J. "Reason and Belief in Victorian Mathematics." In *The Organisation of Knowledge in Victorian Britain*, edited by DAUNTON (2005) [ref. 1973], 139–158.

Focus is on Boole, De Morgan, Jevons, and Venn.

2116. CRILLY, Tony. "The *Cambridge Mathematical Journal* and Its Descendants: The Linchpin of a Research Community in the Early and Mid-Victorian Age." *Hist. Math.* 31 (2004): 455–497.

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2337. ANDREI, Mary Anne. “Nature’s Mirror: How the Taxidermists of Ward’s Natural Science Establishment Transformed Wildlife Display in American Natural History Museums and Fought to Save Endangered Species.” *Diss. Abstr. Int.* A 67/06 (2006).

Dissertation at University of Minnesota, 2006.

Adviser: Kohlstedt, Sally Gregory. UMI pub. no. 3219971. 303 pp. On the largest museum supplier of the late 19th century.

2338. DANCE, S. Peter. “Ruskin the Reluctant Conchologist.” *J. Hist. Collect.* 16 (2004): 35–46.

2339. FAHERTY, Duncan. “‘Half Artist, Half Man of Action’: John James Audubon and *The Birds of America*.” *Rev. Amer. Hist.* 33 (2005): 169–176.

Essay review of Richard RHODES, *John James Audubon* (2004); William SOUDER, *Under a Wild Sky* (2004).

2340. HEININGEN, Teunis Willem van. “Le vol et la restitution des objets d’histoire naturelle du Stathouder Guillaume V ou les péripéties des collections du Stathouder Guillaume V entre 1795 et 1815.” *Arch. Int. Hist. Sci.* 56 (2006): 21–42.

2341. KOHLSTEDT, Sally Gregory. “Nature by Design: Masculinity and Animal Display in Nineteenth-Century America.” In *Figuring It Out*, edited by SHTEIR and LIGHTMAN (2006) [ref. 190], 110–139.

2342. LYONS, Sherrie. “Swimming at the Edges of Scientific Respectability: Sea Serpents in the Victorian Era.” In *Repositioning Victorian Science*, edited by CLIFFORD et al. (2006) [ref. 1972], 31–44.

2343. MADSEN-BROOKS, Leslie. "To Study, to Control, and to Love: Women Scientists in American Natural History Institutions, 1880–1950." *Diss. Abstr. Int. A* 67/09 (2007).

Dissertation at University of California, Davis, 2006. Adviser: De La Pena, Carolyn. UMI pub. no. 3236036. 237 pp.

2344. MANGANELLI, Giuseppe, Andrea BENOCCHI, and Valeriano SPADINI. "The Scientific Bibliography of Roberto Lawley (1818–1881) and His Contribution to the Study of Fossil Sharks." *Arch. Natur. Hist.* 33 (2006): 267–281.

2345. MOORE, P. G., and J. A. GIBSON. "Short Note: On the Date of Publication of John Robertson's *Animal life on the shores of the Clydeand Firth* and Potential Confusion Caused by Three Contemporary John Robertsons." *Arch. Natur. Hist.* 33 (2006): 348–351.

2346. PEARSON, Michael B. *Richard Spruce: Naturalist and Explorer*. (100 pp.; ill.; bibl.; index.) Settle: Hudson History of Settle, 2004. ISBN: 1903783283.

Spruce was a 19th-century English botanist who spent years exploring South America.

Reviews: [ref. R1065]

2347. RAFINESQUE, C. S. A. C. S. *Rafinesque Anthology*. edited by Charles BOEWE. (ix + 271 pp.; ill.; bibl.; index.) Jefferson, N.C.: McFarland, 2005. ISBN: 0786421479.

Reviews: [ref. R1112]

2348. REILING, Henri, and Tat'jana SPUNAROVÁ. "Václav Fric (1839–1916) and His Influence on Collecting Natural History." *J. Hist. Collect.* 17 (2005): 23–43.

2349. ROJAS CLEMENTE Y RUBIO, Simón de. *Viaje a Andalucía: "Historia natural del Reino de Granada" (1804–1809)*. edited by Antonio GIL ALBARACÍN, Horacio CAPEL SÁEZ, and Pilar SAN PÍO ALADRÉN. (1247 pp.; ill.; bibl.; index.) Barcelona: Griselda Bonet Girabet, 2002. ISBN: 8488538170.

Reviews: [ref. R1156]

2350. WHITTLESEY, Lee H. *Storytelling in Yellowstone: Horse and Buggy Tour Guides*. (xiv + 377 pp.; ill.; maps; bibl.; index.) Albuquerque: University of New Mexico Press, 2007. ISBN: 9780826341174.

360-123. ECOLOGY; ENVIRONMENTAL SCIENCES (includes conservation, natural resource management, and environmental history; for forestry, see 163-Agriculture)

2351. ACKERT, Lloyd T., Jr. "The 'Cycle of Life' in Ecology: Sergei Vinogradskii's Soil Microbiology, 1885–1940." *J. Hist. Biol.* 40 (2007): 109–145.

Discusses interplay between Russian and Western European scientific networks and intellectual traditions; shows ties to agricultural experiment stations and microbiological institutes in Europe and America.

2352. DIJKHUIZEN, Sietzo. *Jac. P. Thijssse. Een biografie: Natuurbeschermer, flaneur en auteur van Verkade-albums*. (299 pp.; ill.; index; bibl.) Amsterdam: De Arbeiderspers, 2005. ISBN: 9029514183.

Reviews: [ref. R352]

2353. DRUSHKA, Ken. *Canada's Forests: A History of Use and Conservation*. Forest History Society

Issues Series. (viii + 97 pp.; bibl.; index.) Montreal; Ithaca: McGill-Queen's University Press, 2003. ISBN: 0773526609.

Focuses on the conservation movement, industry and government relations, and sustainable management policies.

Reviews: [ref. R363]

2354. FROST, Mark Andrew. "'The law of help': John Ruskin's Ecological Vision, 1843–1886." *Diss. Abstr. Int. C* 67/03 (2006): 840.

Dissertation at University of Southampton (United Kingdom), 2006. UMI pub. no. C825409. 244 pp.

2355. KLUBOCK, Thomas Miller. "The Politics of Forests and Forestry on Chile's Southern Frontier, 1880s–1940s." *Hispanic Amer. Hist. Rev.* 86 (2006): 535–570.

2356. MACDONALD, Eric A. "The Art which Mends Nature: The Discourse of American Environmental Design in 'Garden and Forest', 1888–1897." *Diss. Abstr. Int. A* 67/12 (2007).

Dissertation at The University of Wisconsin - Madison, 2006. Adviser: Alanen, Arnold R. Pub. no. AAT 3245608. 538 pp. "Describes the contributions of a horticultural journal, *Garden and Forest*, to environmental design theory and practice" and to the rise of the profession of landscape architecture. (from the abstract)

2357. MINTEER, Ben A. *The Landscape of Reform: Civic Pragmatism and Environmental Thought in America*. (viii + 264 pp.; bibl.; index.) Cambridge, Mass.: MIT Press, 2006. ISBN: 0262134616.

Reviews: [ref. R955]

2358. PHILIPPON, Daniel J. *Conserving Words: How American Nature Writers Shaped the Environmental Movement*. (xv + 373 pp.; ill.; bibl.; index.) Athens: University of Georgia Press, 2004. ISBN: 0820325767.

Reviews: [ref. R1082]

2359. PLATT, Harold L. *Shock Cities: The Environmental Transformation and Reform of Manchester and Chicago*. (xvi + 628 pp.; ill.; bibl.; index.) Chicago: The University of Chicago Press, 2005. ISBN: 0226670767.

2360. SCHMOLL, Friedemann. "Indication and Identification: On the History of Bird Protection in Germany, 1800–1918." In *Germany's Nature*, edited by LEKAN and ZELLER (2005) [ref. 404], 161–182.

360-124. PALEONTOLOGY

2361. ALLMON, Warren D. "The Pre-modern History of the Post-Modern Dinosaur: Phases and Causes in Post-Darwinian Dinosaur Art." *Earth Sci. Hist.* 25 (2006): 5–35.

2362. AUSICH, William I. Essay review. *Earth Sci. Hist.* 25 (2006): 155–158.

Essay review of David CAFFEY, *Frank Springer and New Mexico* (2006) [ref. 2364].

2363. BRINKMAN, Paul. "Bully for *Apatosaurus*." *Endeavour* 30 (2006): 126–130.

On the discovery, classification, and naming of the *Apatosaurus*.

2364. CAFFEY, David. *Frank Springer and New Mexico: From the Colfax County War to the Emergence of Modern Santa Fe*. (viii + 261 pp.; bibl.;

index.) College Station: Texas A&M University, 2006. ISBN: 1585444642.

Includes discussion of Springer's paleontological work.

Reviews: [ref. 2362, R196]

2365. GRIGORESCU, Dan. "Vertebrate Paleontology in Romania." *Noesis* 28 (2003): 97–116.

2366. KAESER, Marc-Antoine. *L'univers du préhistorien: Science, foi et politique dans l'oeuvre et la vie d'Edouard Desor, 1811–1882. Histoire des sciences humaines.* (621 pp.; ill.) Paris: Harmattan, 2004. ISBN: 2747564096.

2367. KARL, Hans-Volker, and Gottfried TICHY. "Zur frühen Geschichte der Paläocheloniologie von Schaumburg-Lippe: Die Rolle des Gymnasial-Professors Max Ballerstedt in der Naturwissenschaft." *Ber. Wissenschaftsgesch.* 27 (2004): 285–296.

On the history of the paleontological study of turtles from the 19th century to the 20th century.

2368. NEUMANN, Christian, and Stephan SCHULTKA. "Der Seeigel von Sanssouci." *Ber. Wissenschaftsgesch.* 30 (2007): 161–166.

On the history of the holotype of the Cretaceous sea urchin *Salenia sigillata*, focusing on the interaction of laymen and professional scientists in Prussia in the 19th century.

360-130. BIOLOGICAL SCIENCES, GENERAL WORKS

2369. ALLEN, Garland E. "Mechanism, Vitalism and Organicism in Late Nineteenth- and Twentieth-Century Biology: The Importance of Historical Context." Part of a special issue: "Mechanisms in Biology" [ref. 427]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 36 (2005): 261–283.

2370. BARAHONA ECHEVERRÍA, Ana, and Ismael LEDESMA-MATEOS. "El positivismo y los orígenes de la biología en México: El entrelazado de los desarrollos filosófico y científico en un contexto histórico particular." *Arch. Int. Hist. Sci.* 52 (2002): 277–305.

2371. BECK, Naomi. "Enrico Ferri's Scientific Socialism: A Marxist Interpretation of Herbert Spencer's Organic Analogy." *J. Hist. Biol.* 38 (2005): 301–325.

2372. BLACKMAN, Helen J. "The Natural Sciences and the Development of Animal Morphology in Late-Victorian Cambridge." *J. Hist. Biol.* 40 (2007): 71–108.

Focus on Francis Maitland Balfour.

2373. BRIGANDT, Ingo. "A Theory of Conceptual Advance: Explaining Conceptual Change in Evolutionary, Molecular, and Evolutionary Developmental Biology." *Diss. Abstr. Int. A* 67/09 (2007).

Dissertation at University of Pittsburgh, 2006. Adviser: Gupta, Anil and Paul E. Griffiths. UMI pub. no. 3232758. 501 pp. Two case studies of change over time: the 19th- and 20th-century homology concept and the 20th-century gene concept.

2374. BRIAN, Richard M., and Denis THIEFFRY. "Introduction to the Special Issue 'From Embryology to Developmental Biology.'" Introduction to a special issue: "From Embryology to Developmental Biology." *Hist. Phil. Life Sci.* 22 (2000): 313–323.

Contents: Scott F. GILBERT et al., "Selected Bibliography on History of Embryology and Development;" 325–333 [ref. 425]; Ron AMUNDSON, "Embryology and Evolution, 1920-1960: Worlds Apart?" 335–352 [ref. 3175]; Bernardino FANTINI, "L'embryologie, la 'géographie chimique' de la cellule et la synthèse entre morphologie et chimie (1930-1950)," 353–380 [ref. 3153]; Soraya de CHADAREVIAN, "Mapping Development, or How Molecular is Molecular Biology?" 381–396 [ref. 3673]; Michel MORANGE, "François Jacob's Lab in the Seventies: The T-Complex and the Mouse Developmental Genetic Program," 397–411 [ref. 3685].

2375. ELLIOTT, Nathan Robert. "Evolving Science Fictions: Biological Representation in Nineteenth-Century Britain." *Diss. Abstr. Int. A* 67/06 (2006).

Dissertation at University of Notre Dame, 2006. Adviser: Vanden Bossche, Chris and Kathy Psomiades. UMI pub. no. 3221321. 211 pp. On biological representations as found in both the literary and scientific texts.

2376. ELWICK, James. "Styles of Reasoning in Early to Mid-Victorian Life Research: Analysis:Synthesis and Palaetiology." *J. Hist. Biol.* 40 (2007): 35–69.

Comparison of reasoning styles in developmental biology—"analysis: synthesis" exemplified by Richard Owen and "palaetiology" exemplified by W. B. Carpenter and T. H. Huxley.

2377. ENDERSBY, Jim. "Classifying Sciences: Systematics and Status in Mid-Victorian Natural History." In *The Organisation of Knowledge in Victorian Britain*, edited by DAUNTON (2005) [ref. 1973], 61–85.

2378. GRENE, Marjorie. "Darwin, Cuvier, and Geoffroy: Comments and Questions." *Hist. Phil. Life Sci.* 23 (2001): 187–211.

2379. JAHN, Ilse, and Isolde SCHMIDT. *Matthias Jacob Schleiden (1804–1881): Sein Leben in Selbstzeugnissen.* Acta historica Leopoldina, 44. (327 pp.; ill.; bibl.; index.) Halle (Saale): Deutsche Akademie der Naturforscher Leopoldina, 2005. ISBN: 380472258X.

2380. JANSEN, Sarah. "Den Heringen einen Paß ausstellen: Formalisierung und Genauigkeit in den Anfängen der Populationsökologie um 1900." *Ber. Wissenschaftsgesch.* 25 (2002): 153–169.

2381. KANZ, Kai Torsten. "'... die Biologie als die Krone oder der höchste Strebepunkt aller Wissenschaften': Zur Rezeption des Biologiebegriffs in der romantischen Naturforschung (Lorenz Oken, Ernst Bartels, Carl Gustav Carus)." *NTM* 14 (2006): 77–92.

2382. KLEMM, Margot. *Ferdinand Julius Cohn 1828–1898: Pflanzenphysiologe, Mikrobiologe, Begründer der Bakteriologie.* (340 pp.; ill.) Frankfurt am Main: Lang, 2003. ISBN: 3631516436.

Reviews: [ref. R743]

2383. LINGUERRI, Sandra. *Vito Volterra e il Comitato talassografico italiano: imprese per aria e per mare nell'Italia unita, 1883-1930.* Biblioteca di Nuncius. (xii + 272 pp.; bibl.; index.) Firenze: L. S. Olschki, 2005. ISBN: 8822254155.

The Comitato Talassografico Italiano was the first state institution in Italy to promote oceanographic research.

Reviews: [ref. R840]

- 2384.** NORMANDIN, Sebastien. "Visions of Vitalism: Medicine, Philosophy and the Soul in Nineteenth Century France." *Diss. Abstr. Int. A* 68/03 (2007).

Dissertation at McGill University (Canada), 2006. Pub. no. AAT NR25222. 307 pp. Traces the transition from medical vitalism of the late 18th century to the philosophical vitalism of people like Henri Bergson in the late 19th century.

- 2385.** PERRU, Olivier. "Aux origines des recherches sur la symbiose, vers 1868-1883." *Rev. Hist. Sci.* 59 (2006): 5–27.

- 2386.** REYNOLDS, Andrew. "The Theory of the Cell State and the Question of Cell Autonomy in Nineteenth- and Early Twentieth-Century Biology." *Sci. Context* 20 (2007): 71–95.

- 2387.** WINSOR, Mary P. "Non-Essentialist Methods in Pre-Darwinian Taxonomy." *Biol. Phil.* 18 (2003): 387–400.

- 2388.** YAMASHITA, Grant Joo. "On the Germ-Soma Distinction in Evolutionary Biology: A Historical and Conceptual Approach." *Diss. Abstr. Int. A* 68/02 (2007).

Dissertation at University of California, Davis, 2006. Adviser: Griesemer, James R. Pub. no. AAT 3250876. 166 pp. From the 19th century work of Weismann and de Vries to 20th century concepts of germ-cell and germ-plasm.

- 2389.** ZWIERLEIN, Anne-Julia. (Ed.) *Unmapped Countries: Biological Visions in Nineteenth Century Literature and Culture*. Anthem Nineteenth Century Studies. (xv + 282 pp.; ill.; bibl.; index.) London: Anthem Press, 2005. ISBN: 1843311593.

Contents: Anne-Julia ZWIERLEIN, "Unmapped Countries: Biology, Literature and Culture in the Nineteenth Century," 1-12; Charlotte SLEIGH, "'This Questionable Little Book': Narrative Ambiguity in Nineteenth Century Literature of Science," 15-26 [ref. 2024]; Klaus STIERSTORFER, "Vestiges of English Literature: Robert Chambers," 27-39 [ref. 2444]; Gowan DAWSON, "Aestheticism, Immortality and the Reception of Darwinism in Victorian Britain," 43-54 [ref. 2428]; Janet BROWNE, "Constructing Darwinism in Literary Culture," 55-69 [ref. 2011]; Griet VANDERMASSEN, Marysa DEMOOR and Johan BRAECKMAN, "Close Encounters with a New Species: Darwin's Clash with the Feminists at the End of the Nineteenth Century," 71-81 [ref. 2445]; Carol PEAKER, "Mutual Aid, A Factor of Peter Kropotkin's Literary Criticism," 83-93 [ref. 2439]; Paul GOETSCH, "The Savage Within: Evolutionary Theory, Anthropology and the Unconscious in *Fin-de-Siècle* Literature," 95-106 [ref. 2466]; Annette KERN-STÄHLER, "Homer on the Evolutionary Scale: Interrelations between Biology and Literature in the Writings of William Gladstone and Grant Allen," 107-115 [ref. 2016]; Alexandra KARL, "'Naturfreund' or 'Naturfeind'? Darwinism in the Early Drawings of Alfred Kubin," 117-132 [ref. 2015]; Laura OTIS, "Cells and Networks in Nineteenth-Century Literature,"

135-143 [ref. 2019]; Kirstie BLAIR, "Contagious Sympathies: George Eliot and Rudolf Virchow," 145-154 [ref. 2523]; Anne-Julia ZWIERLEIN, "From Parasitology to Parapsychology: Parasites in Nineteenth-Century Science and Literature," 155-172 [ref. 2627]; Jürgen MEYER, "Surgical Engineering in the Nineteenth Century: *Frankenstein*, *The Island of Dr. Moreau*, *Flatland*," 173-182 [ref. 2580]; Merle TÖNNIES, "'Serious' Science versus 'Light' Entertainment? Femininity Concepts in Nineteenth Century British Medical Discourse and Popular Fiction," 183-192 [ref. 2031]; Sally SHUTTLEWORTH, "Night Terrors: Medical and Literary Representations of Childhood Fear," 193-205 [ref. 2648]; Kate FLINT, "Sensuous Knowledge," 207-215.

360-131. BOTANY

(includes plant sciences)

- 2390.** AYRES, P. G. *Harry Marshall Ward and the Fungal Thread of Death*. (vii + 168 pp.; ill.; bibl.) St. Paul, Minn.: APS Press, 2005. ISBN: 089054333X.

Reviews: [ref. R45]

- 2391.** BIGELOW, Jacob. *American Medical Botany: Being a Collection of the Native Medicinal Plants of the United States, Containing Their Botanical History and Chemical Analysis, and Properties and Uses in Medicine, Diet and the Art*. Commentary by Philip WEIMERSKIRCH. (CD-ROM.) Oakland, CA: Octavo, 2004. ISBN: 189178823X.

Digitized facsimile of the 3-volume original edition published in 1817–1820 by Cummings and Hilliard, Boston.

Reviews: [ref. R106]

- 2392.** DICKINSON, Emily. *Emily Dickinson's Herbarium*. A facsimile edition. Introduction by Richard B. SEWALL, foreword by Leslie A. MORRIS, preface by Judith FARR, appendix by Ray ANGELO. (207 pp.; ill.; bibl.; index.) Cambridge, Mass.: Belknap Press of Harvard University Press, 2006. ISBN: 9780674023024.

Facsimile of a dried plant album assembled by the young Emily Dickinson.

- 2393.** FREIJSEN, Nol. "Pioniers zonder opvolgers. De moeizame ontwikkeling van de Nederlandse plantencologie." *Gewina* 25 (2002): 87–98.

Focuses on publications in plant ecology from 1870-1954 in both Dutch and Dutch colonial contexts.

- 2394.** GEORGE, A. S. "Short Note: Another Example of Illustrating an Unillustrated Work: Bentham's *Flora australiensis*." *Arch. Natur. Hist.* 33 (2006): 351–353.

- 2395.** HARLAN, Volker. *Das Bild der Pflanze in Wissenschaft und Kunst: Bei Aristoteles und Goethe; der botanischen Morphologie des 19. und 20. Jahrhunderts; und bei den Künstlern Paul Klee und Joseph Beuys*. (236 pp.; ill.; bibl.) Stuttgart; Berlin: Johannes M. Mayer, 2002. ISBN: 3932386590.

Reviews: [ref. R579]

- 2396.** HOPPE, Brigitte. "Das naturwissenschaftliche Werk von C. G. D. Nees von Esenbeck als Beitrag zur Entwicklung der Botanik, insbesondere der Systematik." *Acta Historica Leopoldina* 47 (2006): 21–54.

2397. HÖXTERMANN, Ekkehard. "Frühe Pläne für ein 'botanisch-physiologisches Institut' 1864 in Berlin zur 'Beförderung des Dr. Pringsheim' und das Physiologieverständnis der Botaniker." In *Fokus Biologiegeschichte*, edited by SCHULZ (2002) [ref. 450], 13–38.

2398. KING, Amy M. *Bloom: The Botanical Vernacular in the English Novel*. (x + 265 pp.; ill.; bibl.; index.) New York: Oxford University Press, 2003. ISBN: 0195161513.

Discusses how the Linnaean system influenced English literature.

2399. KING, Daniel Q. "A Checklist of Sources of the Botanical Illustrations in the Leo Grindon Herbarium, The Manchester Museum." *Arch. Natur. Hist.* 34 (2007): 129–139.

2400. LEIMKUGEL, Frank. *Botanischer Zionismus: Otto Warburg (1859–1938) und die Anfänge institutionalisierter Naturwissenschaften in "Erez Israel"*. (351 pp.; ill.; bibl.; index.) Berlin: Botanischer Garten und Botanisches Museum Berlin-Dahlem, 2005. ISBN: 3921800544.

Reviews: [ref. R812]

2401. MUELLER, Ferdinand von. *Regardfully Yours: Selected Correspondence of Ferdinand von Mueller*. edited by R. W. HOME, A. M. LUCAS, Sara MAROSKE, Doris M. SINKORA, Johannes H. VOIGT, and M. WELLS. Vol III: 1876–1896. Life and Letters of Ferdinand von Mueller. (909 pp.; ill.; bibl.; index.) New York; Oxford: Peter Lang, 2006. ISBN: 0820475599.

Reviews: [ref. R987]

2402. MUSSELMAN, Lytton John. "The Botanical Activities of George Edward Post (1838–1909)." *Arch. Natur. Hist.* 33 (2006): 282–301.

"His long-term relationship with the herbarium at Geneva is highlighted." (from the abstract)

2403. ROBIN, Nicolas. "Éléments pour une histoire culturelle de la botanique moderne : Les sociétés d'échanges de plantes en Europe de l'Est au dix-neuvième siècle." *Arch. Int. Hist. Sci.* 54, no. 153 (2004): 49–71.

2404. ROBIN, Nicolas. "Studies on the Characteristics of Seeds and the Metamorphosis of Plants: The Reception of L.-Cl. Richard's Textbooks in Weimar-Jena." Part of special section: "International Networks, Exchange and Circulation of Knowledge in Life Sciences, 18th to 20th Centuries" [ref. 434]. *Arch. Int. Hist. Sci.* 56 (2006): 199–213.

Argues for a strong French influence on German botany.

2405. SANDERSON, Rachel. "Many Beautiful Things: Colonial Botanists' Accounts of the North Queensland Rainforests." *Hist. Rec. Aust. Sci.* 18 (2007): 1–18.

On the period between 1860 and 1915.

2406. STEIGERWALD, Joan. "Figuring Nature/Figuring the (Fe)male: The Frontispiece to Humboldt's *Ideas Towards a Geography of Plants*." In *Figuring It Out*, edited by SHTEIR and LIGHTMAN (2006) [ref. 190], 54–82.

360–132. ZOOLOGY

(includes animal anatomy and physiology; for primatology, see 135-Physical anthropology)

2407. BERKOWITZ, Carin. "Disputed Discovery: Vivisection and Experiment in the 19th Century." *Endeavour* 30 (2006): 98–102.

On the priority debate between Charles Bell and François Magendie on the discovery of nerve roots.

2408. CASTONGUAY, Stéphane. "Naturalizing Federalism: Insect Outbreaks and the Centralization of Entomological Research in Canada, 1884–1914." *Can. Hist. Rev.* 85 (2004): 1–34.

2409. DANCE, S. Peter. "Savouring *The Edible Mollusks* of M. S. Lovell." *Arch. Natur. Hist.* 34 (2007): 192–198.

On the authorship of *The edible mollusks of Great Britain and Ireland* (1867 and 1884).

2410. DESMOND, Adrian, and Sarah E. PARKER. "The Bibliography of Robert Edmond Grant (1793–1874): Illustrated with a Previously Unpublished Photograph." *Arch. Natur. Hist.* 33 (2006): 202–213.

2411. GASS, Gillian Linda. "Managing Marine Life: Scientific and Practical Work at Two British Marine Stations, 1884–1902." *Diss. Abstr. Int. A* 68/01 (2007).

Dissertation at University of Toronto (Canada), 2006. Pub. no. AAT NR21897. 353 pp. Focus on the relationship between the scientific community and the fishing industry, esp. as concerning fears of overfishing.

2412. HERREN, Madeleine. "Vom Wesen der langzüngigen Schlürfmäuse: Das Schnabeltier und die Entwicklung der Informationsgesellschaft." *Ber. Wissenschaftsgesch.* 25 (2002): 265–282.

On encyclopaedia articles of the 19th and 20th century dealing with the taxonomy of the platypus.

2413. JOHNSON, Kristin. "Type-Specimens of Birds as Sources for the History of Ornithology." *J. Hist. Collect.* 17 (2005): 173–188.

2414. NAYLOR, Simon. "Writing the Region: Jonathan Couch and the Cornish Fauna." *Interdiscipl. Sci. Rev.* 30 (2005): 33–45.

On Couch's three volume study (published 1838–44).

2415. OLSÉN, Jan Eric. "Liksom ett par nya ögon: Frithiof Holmgren och synsinnetns problematik." Translated title: [Like a new pair of eyes: Frithiof Holmgren and the problems of the sense of sight]. In Swedish. *Diss. Abstr. Int. C* 66/02 (2005): 292.

Dissertation at Lunds Universitet (Sweden), 2005. UMI pub. no. C820149. 258 pp.

2416. OTIS, Laura. *Müller's Lab*. (xix + 316 pp.; ill.; maps; bibl.; index.) Oxford; New York: Oxford University Press, 2007. ISBN: 019530697X.

By exploring the lives of German physiologist Johannes Müller and his students, the book "explores the ways in which personal life can affect scientists' professional choices, and consequently affect the great discoveries they make." (from the publisher)

2417. PAULY, Daniel. *Darwin's Fishes: An Encyclopedia of Ichthyology, Ecology, and Evolution*. (xxv + 340 pp.; ill.; bibl.; index.) New York: Cambridge University Press, 2004. ISBN: 0521827779.

"An encyclopedia of ichthyology, ecology, and evolution, based upon everything that Charles Darwin ever wrote about fish." (from the publisher)

Reviews: [ref. R1063]

2418. PERRU, Olivier. "Zoonites et unité organique: les origines d'une lecture spécifique du vivant chez Alfred Moquin-Tandon (1804-1863) et Antoine Dugès (1797-1838)." *Hist. Phil. Life Sci.* 22 (2000): 249-272.

2419. SALMON, Michael A., Peter J. EDWARDS, and A. S. HARMER. (Eds.) *The Aurelian's Fireside Companion: An Entomological Anthology*. (xxvii + 428 pp.; ill.; bibl.; index.) Lymington, Hampshire, England: Paphia Publisher, 2005. ISBN: 0953723615.

Miscellany of over 200 years of articles, letters, notes and observations on butterflies and moths by "brethren of the net."

Reviews: [ref. R1191]

2420. SLEIGH, Charlotte. *Six Legs Better: A Cultural History of Myrmecology*. Animals, History, Culture. (vii + 302 pp.; ill.; bibl.; index.) Baltimore: Johns Hopkins University Press, 2007. ISBN: 0801884454.

On metaphors in science and the representations of ants within the field of entomology from the late 19th to the mid-20th centuries.

2421. SMITH, Jonathan. "Picturing Sexual Selection: Gender and the Evolution of Ornithological Illustration in Charles Darwin's *Descent of Man*." In *Figuring It Out*, edited by SHTEIR and LIGHTMAN (2006) [ref. 190], 85-109.

2422. WINN, Wendy Lee. "Visualizing Science: A Semiotic Analysis of Visual Representations in Ornithology Journals, 1859-2003." *Diss. Abstr. Int. A* 67/08 (2007).

Dissertation at University of Minnesota, 2006. Adviser: Gross, Alan G. UMI pub. no. 3230273. 223 pp.

360-133. HEREDITY; GENETICS; EVOLUTION
(for genetic engineering, see 134-Microbiology)

2423. ALTER, Stephen G. "The Advantages of Obscurity: Charles Darwin's Negative Inference from the Histories of Domestic Breeds." *Ann. Sci.* 64 (2007): 235-250.

2424. ARIEW, André. "Under the Influence of Malthus's Law of Population Growth: Darwin Eschews the Statistical Techniques of Aldolphe Quetelet." *Stud. Hist. Phil. Biol. Biomed. Sci.* 38 (2007): 1-19.

2425. BREDEKAMP, Horst. *Darwins Korallen: die frühen Evolutionsdiagramme und die Tradition der Naturgeschichte*. Kleine kulturwissenschaftliche Bibliothek, 73. (111 pp.; ill.; bibl.; index.) Berlin: Wagenbach, 2005. ISBN: 3803151732.

Reviews: [ref. R149]

2426. CARTRON, Laure. "Degeneration and 'Alienism' in Early Nineteenth-Century France." In *Heredity Produced*, edited by MÜLLER-WILLE and RHEINBERGER (2007) [ref. 480], 155-174.

2427. DARWIN, Charles. *The Descent of Man*. With an introduction by James MOORE and Adrian DESMOND. Penguin Classics. (lxvi + 791 pp.;

ill.; bibl.; index.) London: Penguin, 2004. ISBN: 0140436316.

Includes a 60-page introduction.

Reviews: [ref. 2442]

2428. DAWSON, Gowan. "Aestheticism, Immortality and the Reception of Darwinism in Victorian Britain." In *Unmapped Countries*, edited by ZWIERLEIN (2005) [ref. 2389], 43-54.

Looks at human sexuality and the *Descent of Man*.

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On the transformist views of the Belgian Jean-Baptiste d'Omalius d'Halloy, "not only a geologist of European reputation but also a noted conservative and Catholic aristocrat." (from the abstract)

2430. ELDREDGE, Niles. *Darwin: Discovering the Tree of Life*. (xiv + 256 pp.; ill.; bibl.) New York: W.W. Norton, 2005. ISBN: 0393059669.

Reviews: [ref. R388]

2431. FORSDYKE, Donald R. "Heredity as Transmission of Information: Butlerian 'Intelligent Design.'" *Centaurus* 48 (2006): 133-148.

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2434. HEIDE, Janneke van der. "Haeckel in Holland. Nederlandse correspondentie aan een Duits darwinist en monist." *Gewina* 25 (2002): 99-112.

2435. MOORE, Keith. "An Unpublished Letter by Charles Darwin in the Royal Society's Archives." *Notes Rec. Roy. Soc. Lond.* 60 (2006): 193-197.

2436. OLSSON, Lennart. "Alternatives to Darwinism in Sweden: Lamarckism and Idealistic Morphology. Disbelief in Mutations and the Poverty of Selection." *Jahrb. Eur. Wissenschaftskult.* 1 (2005): 47-60.

2437. OREL, Vitězslav, and Gerhard CZIHAK. "Initial Theoretical Framework and Problem Solving Concerning the Enigma of Heredity." Part of a special issue in honor of the late Mirko D. Grmek [ref. 91]. *Hist. Phil. Life Sci.* 23 (2001): 125-136.

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2438. PARNES, Ohad. "On the Shoulders of Generations: The New Epistemology of Heredity in the Nineteenth Century." In *Heredity Produced*, edited by MÜLLER-WILLE and RHEINBERGER (2007) [ref. 480], 315-348.

2439. PEAKER, Carol. "Mutual Aid, A Factor of Peter Kropotkin's Literary Criticism." In *Unmapped Countries*, edited by ZWIERLEIN (2005) [ref. 2389], 83-93.

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2441. RUSE, Michael. "Darwinism and Mechanism: Metaphor in Science." Part of a special issue: "Mech-

anisms in Biology" [ref. 427]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 36 (2005): 285–302.

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Essay review of Charles DARWIN, *The Descent of Man* (2004) [ref. 2427]; Charles DARWIN, *On the Origin of Species by Means of Natural Selection* edited by Joseph CARROLL. (2003).

2443. SLOAN, Phillip R. "Two New Volumes of Darwin's Work." *J. Hist. Biol.* 40 (2007): 363–367.

Essay review of Charles DARWIN, *Darwin* edited by James D. WATSON. (2005); Charles DARWIN, *From So Simple a Beginning* edited by Edward O. WILSON. (2006).

2444. STIERSTORFER, Klaus. "Vestiges of English Literature: Robert Chambers." In *Unmapped Countries*, edited by ZWIERLEIN (2005) [ref. 2389], 27–39.

2445. VANDERMASSEN, Griet, Marysa DEMOOR, and Johan BRAECKMAN. "Close Encounters with a New Species: Darwin's Clash with the Feminists at the End of the Nineteenth Century." In *Unmapped Countries*, edited by ZWIERLEIN (2005) [ref. 2389], 71–81.

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2447. WOOD, Roger J., and Vítězslav OREL. "Scientific Breeding in Central Europe during the Early Nineteenth Century: Background to Mendel's Later Work." *J. Hist. Biol.* 38 (2005): 239–272.

360-134. MICROBIOLOGY; MOLECULAR BIOLOGY
(includes genetic engineering; for agricultural biotechnology, see 163-Agriculture)

2448. CADEDDU, Antonio. "The Heuristics Function of 'Error' in the Scientific Methodology of Louis Pasteur: The Case of the Silkworm Diseases." First paper in a special issue: Selected Papers from a Conference Held at the Dibner Institute: "Pasteur, Germs and the Bacterial Laboratory," 22-23 November 1996. *Hist. Phil. Life Sci.* 22 (2000): 3–28.

See related papers: Arthur M. SILVERSTEIN, "Pasteur, Pastorsians, and the Dawn of Immunology: The Importance of Specificity," 29–41 [ref. 2610]; Thomas SCHLICH, "Linking Cause and Disease in the Laboratory: Robert Koch's Method of Superimposing Visual and 'Functional' Representations of Bacteria," 43–58 [ref. 2601]; Christoph GRAD-MANN, "Money and Microbes: Robert Koch, Tuberculin and the Foundation of the Institute for Infectious Diseases in Berlin in 1891," 59–79 [ref. 2549]; Patricia Peck GOSSEL, "Pasteur, Koch, and American Bacteriology," 81–100 [ref. 2451].

2449. DUCHESNEAU, François. "The Delayed Linkage of Heredity with the Cell Theory." In *Heredity Produced*, edited by MÜLLER-WILLE and RHEINBERGER (2007) [ref. 480], 293–314.

2450. GHESQUIER, Danièle. "La centrifugation et la cellule : la déconstruction du protoplasme entre 1880 et 1910." *Rev. Hist. Sci.* 55 (2002): 323–377.

2451. GOSSEL, Patricia Peck. "Pasteur, Koch, and American Bacteriology." Part of a special issue: "Pas-

teur, Germs and the Bacterial Laboratory" [ref. 2448]. *Hist. Phil. Life Sci.* 22 (2000): 81–100.

2452. SCHLOEGEL, Judith Johns. "Intimate Biology: Herbert Spencer Jennings, Tracy Sonneborn, and the Career of American Protozoan Genetics." *Diss. Abstr. Int. A* 67/06 (2006).

Dissertation at Indiana University, 2006. Adviser: Gliboff, Sander. UMI pub. no. 3223050. 299 pp.

360-136. NEUROSCIENCE
(see also 151-Psychiatry)

2453. HAKOSALO, Heini. "The Brain under the Knife: Serial Sectioning and the Development of Late Nineteenth-Century Neuroanatomy." *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 172–202.

2454. HAY, Rankin K. *Neurosurgery and Neurological Science in Manitoba, 1884–1984*. (vi + 239 pp.; ill.; bibl.) Winnipeg, Man.: R.K. Hay, 2003. ISBN: 0973435402.

Reviews: [ref. R592]

2455. MONOD-BROCA, Philippe. *Paul Broca, un géant du XIX^e siècle*. Hommes de science. (x + 309 pp.; ill.; bibl.) Paris: Vuibert, 2005. ISBN: 2711791386.

2456. PIAZZA, Marco. "Maine de Biran e Gall. Una tappa emblematica nella ricezione francese della frenologia." *Jahrb. Eur. Wissenschaftskult.* 1 (2005): 17–46.

2457. SOURKES, Theodore L. "On the Energy Cost of Mental Effort." *J. Hist. Neurosci.* 15 (2006): 31–47.

On efforts by brain scientists to understand and measure the metabolic and electrical energy required for thought.

2458. STILES, Anne Meredith. "Neurological Fictions: Brain Science and Literary History, 1865–1905." *Diss. Abstr. Int. A* 67/09 (2007).

Dissertation at University of California, Los Angeles, 2006. Adviser: Bristow, Joseph. UMI pub. no. 3234346. 390 pp. "This interdisciplinary study explores how scientifically savvy novelists like Bram Stoker, Robert Louis Stevenson, Silas Weir Mitchell and H. G. Wells criticized the materialist bias of late-Victorian neuroscience through their fiction." (from the abstract)

360-137. PSYCHOLOGY; COMPARATIVE PSYCHOLOGY

(includes sociobiology, animal behavior, evolutionary psychology; for clinical psychology, see also 151-Psychiatry)

2459. BENJAMIN, Ludy T., and David B. BAKER. *From Séance to Science: A History of the Profession of Psychology in America*. (xix + 266 pp.; ill.; map; bibl.; index.) Belmont, CA: Thomson/Wadsworth, 2004. ISBN: 0155042645.

2460. BRADDOCK, L. E. "Psychoanalysis as Functional Social Science: The Legacy of Freud's 'Project for a Scientific Psychology.'" *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 394–413.

2461. DEGNI, Silvia, Renato FOSCHI, and Giovanni Pietro LOMBARDO. "Contexts and Experimentalism in the Psychology of Gabriele Buccola (1875–1885)." *J. Hist. Behav. Sci.* 43 (2007): 177–195.

Explores Buccola's role in Italian scientific psychology, and highlights the Darwinian, Spencerian, and Haeckelian evolutionist themes emerging from his work.

2462. DELAPORTE, François. *Anatomie des passions*. Science, histoire et société. (220 pp.; ill.) Paris: Presses universitaires de France, 2003. ISBN: 213053225X.

Examines Guillaume-Benjamin Duchenne's *Mécanisme du physiognomie humaine* (1863), which recounts the use of electrotherapy to explore facial myology and advance a theory of human expression.

Reviews: [ref. R337]

2463. DEVOLL, Matthew W. "Emerson and Dreams: Toward a Natural History of Intellect." *ATQ* 18 (2004): 69–87.

2464. DOMANSKI, Cezary W. "A Biographical Note on Max Friedrich (1856–1887), Wundt's First Ph.D Student in Experimental Psychology." *J. Hist. Behav. Sci.* 40 (2004): 311–317.

2465. FEEST, Uljana. "'Hypotheses, everywhere only hypotheses!': On Some Contexts of Dilthey's Critique of Explanatory Psychology." *Stud. Hist. Phil. Biol. Biomed. Sci.* 38 (2007): 43–62.

2466. GOETSCH, Paul. "The Savage Within: Evolutionary Theory, Anthropology and the Unconscious in *Fin-de-Siècle* Literature." In *Unmapped Countries*, edited by ZWIERLEIN (2005) [ref. 2389], 95–106.

Looks especially at Stevenson and Conrad.

2467. GROPP, Susan Marie. "The Science of Mind: Exploring the Influence of the Academic Environment on the Development of Research Psychology in America, 1880–1910." *Diss. Abstr. Int. A* 67/08 (2007).

Dissertation at University of California, Berkeley, 2006. Adviser: Carson, Cathryn. UMI pub. no. 3228344. 290 pp.

2468. GUILLIN, Vincent. "Théodule Ribot's Ambiguous Positivism: Philosophical and Epistemological Strategies in the Founding of French Scientific Psychology." *J. Hist. Behav. Sci.* 40 (2004): 165–181.

2469. GUNDLACH, Horst. "Sigmund Freud und die Lauterkeit." *Ber. Wissenschaftsgesch.* 27 (2004): 175–185.

Discusses Freud's claims of success with his patients.

2470. HARTLEY, Lucy. "A Science for One or a Science for All? Physiognomy, Self-Help and the Practical Benefits Science." In *Repositioning Victorian Science*, edited by CLIFFORD et al. (2006) [ref. 1972], 71–82.

2471. LAFFERTON, Emese. "Death by Hypnosis: An 1894 Hungarian Case and Its European Reverberations." *Endeavour* 30 (2006): 65–70.

On the social ramifications of a highly publicized fatal hypnotic séance.

2472. LEBLANC, André. "Thirteen Days: Joseph Delboeuf versus Pierre Janet on the Nature of Hypnotic Suggestion." *J. Hist. Behav. Sci.* 40 (2004): 123–147.

2473. LENOIR, Timothy. "Operationalizing Kant: Manifolds, Models, and Mathematics in Helmholtz's Theories of Perception." In *The Kantian Legacy in*

Nineteenth Century Science, edited by FRIEDMAN and NORDMANN (2006) [ref. 2097], 141–210.

2474. MANDLER, George. *A History of Modern Experimental Psychology: From James and Wundt to Cognitive Science*. (xx + 287 pp.; bibl.; index.) Cambridge, MA: MIT Press, 2007. ISBN: 0262134756.

"Emphasizes the social and cultural context, showing how different theoretical developments reflect the characteristics and values of the society in which they occurred," from art and religion to new turns in philosophy and other sciences. (from the publisher)

2475. MICHELL, Joel. "Psychophysics, Intensive Magnitudes, and the Psychometricians' Fallacy." *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 414–432.

2476. NACCARATO, Peter. "'You Should Get Your Head Examined': Freudian Psychoanalysis and the Limits of Nineteenth-Century Science." In *Repositioning Victorian Science*, edited by CLIFFORD et al. (2006) [ref. 1972], 183–196.

2477. PEARL, Sharrona Hyla. "As Plain as the Nose on your Face: Physiognomy in Nineteenth Century England." *Diss. Abstr. Int. A* 66/11 (2006): 4162.

Dissertation at Harvard University, 2005. Adviser: Harrington, Anne. UMI pub. no. 3194443. 387 pp.

2478. PETTIT, Michael. "Joseph Jastrow, the Psychology of Deception, and the Racial Economy of Observation." *J. Hist. Behav. Sci.* 43 (2007): 159–175.

2479. PETTIT, Michael John. "The Science of Deception: The Human Sciences, the Law, and Commercial Culture in America, 1860s–1920s." *Diss. Abstr. Int. A* 68/01 (2007).

Dissertation at University of Toronto (Canada), 2006. Pub. no. AAT NR21890. 275 pp. "Investigates the cultural meanings ascribed to the mental processes of deceiving and being deceived." (from the abstract)

2480. RADICK, Gregory. "Language, Brain Function, and Human Origins in the Victorian Debates on Evolution." Part of special issue: "Function, Teleology and Design" [ref. 439]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 31 (2000): 55–75.

2481. REED, Matt T. "'La manie d'Écrire': Psychology, Auto-observation, and Case History." *J. Hist. Behav. Sci.* 40 (2004): 265–284.

"Examines the modern psychiatric case study as a scientific method and as a genre of writing about the self." (from the abstract)

2482. RICHARDS, Graham. "Noah Porter's Problem and the Origins of American Psychology." *J. Hist. Behav. Sci.* 40 (2004): 353–374.

2483. SCHICKORE, Jutta. "Misperception, Illusion and Epistemological Optimism: Vision Studies in Early Nineteenth-Century Britain and Germany." *Brit. J. Hist. Sci.* 39 (2006): 383–405.

2484. SCHOTT, Heinz. "Imagination – Einbildungskraft – Suggestion: Zur 'Scharlatanerie' in der neuzeitlichen Medizin." *Ber. Wissenschaftsgesch.* 27 (2004): 99–108.

Focus on Hippolyte Bernheim and the notion of autosuggestion in medicine.

2485. SHIELDS, Stephanie A. "Passionate Men, Emotional Women: Psychology Constructs Gender Difference in the Late 19th Century." Part of a special issue: "Power Matters: Knowledge Politics in the History of Psychology" [ref. 506]. *Hist. Psychol.* 10 (2007): 92–110.

Focuses on American and British contexts.

2486. STAUBERMANN, Klaus. "Investigating Vision and the Reversion Spectroscope: Early Astronomical Colour Studies in Experimental Psychology." Part of a special section on "Spectroscope Histories" [ref. 244]. *Nuncius* 18 (2003): 755–764.

2487. STAUM, Martin S. "Ribot, Binet, and the Emergence from the Anthropological Shadow." *J. Hist. Behav. Sci.* 43 (2007): 1–18.

"In the drive to establish a naturalistic psychology in France, anthropological assumptions about a hierarchy of physically determined racial groups ... permeated the work of" Théodule Ribot. (from the abstract)

2488. TEO, Thomas. "Local Institutionalization, Discontinuity, and German Textbooks of Psychology, 1816–1854." *J. Hist. Behav. Sci.* 43 (2007): 135–157.

2489. VRETOS, Athena. "Dying Twice: Victorian Theories of Déjà Vu." In *Disciplinary at the Fin de Siècle*, edited by ANDERSON and VALENTE (2002) [ref. 2491], 196–218.

360-140. SOCIAL SCIENCES, GENERAL WORKS (includes criminology, demography, etc.)

2490. AMBROISE, Jason Randolph. "On the Origins of Criminology: The Offender and Socio-Human Existence in United States Criminology Discourse." *Diss. Abstr. Int. A* 68/02 (2007).

Dissertation at University of California, Berkeley, 2006. Adviser: Martin, Waldo E., Jr. Pub. no. AAT 3253750. 221 pp.

2491. ANDERSON, Amanda, and Joseph VALENTE. (Eds.) *Disciplinary at the Fin de Siècle*. (vi + 342 pp.; ill.; bibl.; index.) Princeton, N.J.: Princeton University Press, 2002. ISBN: 0691089612.

Partial contents: Arkady PLOTNITSKY, "Disciplinary and Radicality: Quantum Theory and Nonclassical Thought at the Fin de Siècle, and as Philosophy of the Future," 44–84 [ref. 3029]; Liah GREENFELD, "How Economics Became a Science: A Surprising Career of a Model Discipline," 87–125 [ref. 515]; Ivan STRENSKI, "Durkheim, Disciplinary, and the 'Sciences Religieuses,'" 153–173 [ref. 2504]; Athena VRETOS, "Dying Twice: Victorian Theories of Déjà Vu," 196–218 [ref. 2489]; Lauren M. E. GOODLAD, "Character and Pastorship in Two British 'Sociological' Traditions: Organized Charity, Fabian Socialism, and the Invention of New Liberalism," 235–260 [ref. 2502]; Simon JOYCE, "Victorian Continuities: Early British Sociology and the Welfare of the State," 261–280 [ref. 2503].

2492. ARMITAGE, Kevin C. "The Child Is Born a Naturalist": Nature Study, Woodcraft Indians, and the Theory of Recapitulation." *Journal of the Guilded Age and Progressive Era* 6 (2007): 43–70.

On how a theory of child development was used to guide education theory.

2493. BAUER, Heike. "Scholars, Scientists and Sexual Inverts: Authority and Sexology in Nineteenth-Century Britain." In *Repositioning Victorian Science*, edited by CLIFFORD et al. (2006) [ref. 1972], 197–206.

2494. CARROY, Jacqueline, Nicole EDELMAN, Annick OHAYON, and Nathalie RICHARD. *Les femmes dans les sciences de l'homme (XIX^e-XX^e siècles) : inspiratrices, collaboratrices ou créatrices*. (318 pp.) Paris: Editions Seli Arslan, 2005. ISBN: 2842761081. Reviews: [ref. R211]

2495. DAIGLE, Jonathan R. "United States Realism and the (Conceptual) Problem of Race: Realists and Race Science from 1877 to 1905." *Diss. Abstr. Int. A* 67/09 (2007).

Dissertation at The University of Wisconsin - Madison, 2006. Adviser: Schaub, Thomas. Pub. no. AAT 3234706. 370 pp. "The writers I study—Sarah Orne Jewett, a supremacist; William Dean Howells, a race liberal; George Washington Cable, a bold anti-segregationist; and Paul Laurence Dunbar, 'the black poet laureate'—were not only conversant with new scientific developments, they themselves were social scientists." (from the abstract)

2496. GOLDMAN, Lawrence. "Victorian Social Science: From Singular to Plural." In *The Organisation of Knowledge in Victorian Britain*, edited by DAUNTON (2005) [ref. 1973], 87–114.

2497. NAIR, Rahul S. "The Discourse on Population in India, 1870–1960." *Diss. Abstr. Int. A* 67/07 (2007).

Dissertation at University of Pennsylvania, 2006. Adviser: Ludden, David E. UMI pub. no. 3225513. 285 pp.

2498. PETERSSON, Oskar. *Politisk vetenskap och vetenskaplig Politik: Studier i svensk statsvetenskap kring 1900*. Translated title: [Political science and scientific politics: Studies in Swedish political science around 1900]. In Swedish. Skrifter. (221 pp.) Uppsala: Uppsala University, Humanistisk-samhällsvetenskapliga vetenskapsområdet, 2003. ISBN: 9150616609.

2499. RUSWICK, Brent J. "Almost Progressive: The American Scientific Charity Movement's Reconsiderations of Pauperism." *Diss. Abstr. Int. A* 67/06 (2006).

Dissertation at The University of Wisconsin - Madison, 2006. Adviser: Hilts, Victor L. UMI pub. no. 3222810. 336 pp. Concentrates on the effort to apply social scientific and biological analysis to help distinguish paupers from the worthy poor.

2500. SCHWEBER, Libby. *Disciplining Statistics: Demography and Vital Statistics in France and England, 1830–1885*. Politics, History, and Culture. (277 pp.; ill.; bibl.; index.) Durham: Duke University Press, 2006. ISBN: 0822338254.

2501. ZAMA, Rita. "La questione antropologica in Antonio Rosmini." *Acta Phil.* 15 (2006): 319–328.

360-141. SOCIOLOGY

2502. GOODLAD, Lauren M. E. "Character and Pastorship in Two British 'Sociological' Traditions: Organized Charity, Fabian Socialism, and the Invention of New Liberalism." In *Disciplinary at the Fin de*

Siècle, edited by ANDERSON and VALENTE (2002) [ref. 2491], 235–260.

2503. JOYCE, Simon. “Victorian Continuities: Early British Sociology and the Welfare of the State.” In *Disciplinary at the Fin de Siècle*, edited by ANDERSON and VALENTE (2002) [ref. 2491], 261–280.

2504. STRENSKI, Ivan. “Durkheim, Disciplinary, and the ‘Sciences Religieuses.’” In *Disciplinary at the Fin de Siècle*, edited by ANDERSON and VALENTE (2002) [ref. 2491], 153–173.

360-142. CULTURAL ANTHROPOLOGY

2505. FABIAN, Johannes. *Im Tropenfieber: Wissenschaft und Wahn in der Erforschung Zentralafrikas*. (412 pp.; bibl.; maps; ill.) München: Beck, 2001. ISBN: 3406473970.

German translation of Johannes FABIAN, *Out of Our Minds* (2000)

Reviews: [ref. R405]

2506. MASTERS, Joshua J. “Reading the Book of Nature, Inscribing the Savage Mind: George Catlin and the Textualization of the American West.” *Amer. Stud.* 46, no. 2 (2005): 63–89.

2507. MILLER, Darlis A. *Matilda Coxe Stevenson: Pioneering Anthropologist*. Foreword by Louis A. HEIB. (304 pp.; ill.; maps; bibl.; index.) Norman: University of Oklahoma Press, 2007. ISBN: 9780806138329.

Stevenson worked for more than a quarter century with the Bureau of American Ethnology and studied the Native Americans of the Southwest.

2508. MONDRY, Henrietta. “With Short Cropped Hair: Gleb Uspensky’s Struggle against Biological Gender Determinism.” *Russ. Rev.* 63 (2004): 479–492.

On Uspensky’s efforts to attack the biological determinism of Lombroso.

2509. SCHLEIDEN, Matthias Jacob. *Matthias Jacob Schleiden (1804-1881): Schriften und Vorlesungen zur Anthropologie*. edited by Olaf BREIDBACH. Wissenschaftskultur um 1900. (xi + 148 pp.; ill.; bibl.; index.) Stuttgart: Franz Steiner, 2004. ISBN: 3515085424.

2510. SCHWEIZER, Pia-Johanna, and Stefan SCHWEIZER. “Lebensaltertheorien in der Anthropologie der Romantik.” *Ber. Wissenschaftsgesch.* 29 (2006): 309–323.

2511. STOLBERG, Eva-Maria. “‘Fremde Körperwelten’: Russische Anthropologie und Medizin im kolonialen Diskurs des ausgehenden Zarenreiches.” *Ber. Wissenschaftsgesch.* 29 (2006): 109–120.

360-143. ECONOMICS

2512. HOAG, Christopher. “The Atlantic Telegraph Cable and Capital Market Information Flows.” *J. Econ. Hist.* 66 (2006): 342–353.

2513. MAAS, Harro. *William Stanley Jevons and the Making of Modern Economics*. Historical Perspectives on Modern Economics. (xxii + 330 pp.; ill.; bibl.; index.) Cambridge, UK; New York, NY: Cambridge University Press, 2005. ISBN: 0521827124.

Reviews: [ref. R870]

2514. TRIBE, Keith. “Political Economy and the Science of Economics in Victorian Britain.” In *The Organisation of Knowledge in Victorian Britain*, edited by DAUNTON (2005) [ref. 1973], 115–137.

360-144. LINGUISTICS

2515. ALTER, Stephen G. *William Dwight Whitney and the Science of Language*. (xiii + 339 pp.; ill.; bibl.; index.) Baltimore, MD: Johns Hopkins University Press, 2005. ISBN: 0801880203.

Reviews: [ref. R15]

360-145. ARCHAEOLOGY

2516. CHUNG, Yun Shun Susie. “John Britton (1771–1857): A Source for the Exploration of the Foundations of County Archaeological Society Museums.” *J. Hist. Collect.* 15 (2003): 113–126.

2517. WRÅKBERG, Urban. Essay review. *Lychnos* (2003): 309–314.

Essay review of Torkel MOLIN, *Den rätta tidens mått* (2003).

360-146. HISTORY

2518. BENTLEY, Michael. “The Evolution and Dissemination of Historical Knowledge.” In *The Organisation of Knowledge in Victorian Britain*, edited by DAUNTON (2005) [ref. 1973], 173–197.

2519. HESKETH, Ian. “Making the Past Speak: The Science of History in Victorian Britain.” *Diss. Abstr. Int. A* 67/12 (2007).

Dissertation at York University (Canada), 2006.

Pub. no. AAT NR19780. 338 pp.

2520. SOMERSET, Richard. “Darwinian ‘Becoming’ and Early Nineteenth-Century Historiography: The Cases of Jules Michelet and Thomas Carlyle.” In *Science and Beliefs*, edited by KNIGHT and EDDY (2005) [ref. 16], 129–139.

360-150. MEDICAL SCIENCES, GENERAL WORKS (includes human anatomy and physiology; see also 135-Physical anthropology)

2521. BAAR, Johannes, and Malte H. STOFFREGEN. “Ein vergessenes Zeugnis des adrenogenitalen Syndroms: Luigi De Crecchios Beschreibung eines weiblichen Pseudohermaphroditen (1865).” *Sudhoffs Arch.* 90 (2006): 29–74.

2522. BERGEN, Leo van. “‘Een getuige tegen het kwaad van het materialisme.’ De medische faculteit van de Vrije Universiteit en de homeopathie.” *Gewina* 28 (2005): 79–96.

2523. BLAIR, Kirstie. “Contagious Sympathies: George Eliot and Rudolf Virchow.” In *Unmapped Countries*, edited by ZWIERLEIN (2005) [ref. 2389], 145–154.

2524. BORSAY, Anne. (Ed.) *Medicine in Wales c. 1800–2000: Public Service or Private Commodity?* (x + 253 pp.; ill.; bibl.; index.) Cardiff: University of Wales Press, 2003. ISBN: 070831824X.

Reviews: [ref. R126]

2525. BOS, Jaap. “De querulant en zijn prooi. Evert van Dieren versus Christiaan Eijkman en de beriberi-controverse (1897-1898).” *Gewina* 26 (2003): 127–147.

2526. BOSCH, Mineke. *Een onwrikbaar geloof in rechtvaardigheid: Aletta Jacobs, 1854-1929*. (819 pp.; ill.; bibl.; index.) Amsterdam: Balans, 2005. ISBN: 9050186572.

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Reviews: [ref. R1081]

2730. PORTER, John, and John LOADMAN. "The Cast Iron Beams at Kew Bridge Pumping Station—Faithful Friends or Fickle Enemies." *Trans. Newcomen Soc.* 77 (2007): 115–132.

On beam design and failures on beam engine pumps.

2731. ROWLINSON, J. S. "Dr. Thomas Carver and Lord Kelvin." *Notes Rec. Roy. Soc. Lond.* 60 (2006): 161–170.

2732. RUNTE, Alfred. *Allies of the Earth: Railroads and the Soul of Preservation*. (xix + 195 pp.; ill.; bibl.; index.) Kirksville, MO: Truman State University Press, 2006. ISBN: 1931112525.

Reviews: [ref. R1176]

2733. SMITH, Denis. "Sir Douglas Strutt Galton (1822–1899) and the Administration of Victorian Engineering." *Trans. Newcomen Soc.* 77 (2007): 51–67.

Galton was a military engineer and administrator.

2734. SMITH, George David. *From Monopoly to Competition: The Transformations of Alcoa, 1888–1986*. Paperback edition (originally published 1988). (xxiv + 554 pp.; ill.; index.) Cambridge; New York: Cambridge University Press, 2003. ISBN: 0521527090.

Reviews: [ref. R1282]

2735. STREB, Jochen, Jörg BATEN, and Shuxi YIN. "Technological and Geographical Knowledge Spillover in the German Empire, 1877–1918." *Econ. Hist. Rev.* 59 (2006): 347–373.

2736. TILLEY, Gwyn. *The Surviving Engines of Glyn Pits, Pontypool—Early Steam and Water Power in Local Industry*. (157 pp.; ill.; index.) Ashbourne: Landmark, 2005. ISBN: 1843062038.

Reviews: [ref. R1355]

2737. TOBRINER, Stephen. *Bracing for Disaster: Earthquake-Resistant Architecture and Engineering in San Francisco, 1838–1933*. (xvii + 330 pp.; ill.; maps; bibl.; index.) Berkeley, Calif.: Bancroft Library/Heyday Books, 2006. ISBN: 597140252.

Reviews: [ref. R1359]

2738. TYLER, Nick. "Trevithick's Circle." *Trans. Newcomen Soc.* 77 (2007): 101–113.

On the "Catch-me-who-can" event in which Richard Trevithick demonstrated his steam locomotive in 1808.

2739. VAN MEER, Elisabeth. "Engineering beyond Politics? Professional Ideology, Scientific Management and the Evolution of Czechoslovakia, 1848–1948." *Diss. Abstr. Int. A* 67/11 (2007).

Dissertation at University of Minnesota, 2006. Advisers: Norberg, Arthur and Jennifer Alexander. Pub. no. AAT 3243384. 350 pp.

2740. VLEUTEN, Erik van der, and Arne KAIJSER. (Eds.) *Networking Europe: Transnational Infrastructures and the Shaping of Europe, 1850–2000*. (vii + 335 pp.; ill.; bibl.; index.) Sagamore Beach, MA: Science History Publications/USA, 2006. ISBN: 0881353949.

On the history of rail, power, and telecommunications networks. Contributors: Erik van der VLEUTEN, Arne KAIJSER, Aristotle TYMPAS, Irene ANASTASIADOU, Ana Paula SILVA, Maria Paula DIOGO, Judith SCHUELER, Alexander GALL, Helmut MAIER, Pär BLOMKVIST, Léonard LABORIE, Geert VERBONG, and Per HÖGSELIUS.

2741. WASIK, John F. *The Merchant of Power: Sam Insull, Thomas Edison, and the Creation of the Modern Metropolis*. (x + 270 pp.; ill.; bibl.; index.) New York: Palgrave Macmillan, 2006. ISBN: 1403968845.

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Reviews: [ref. R1420]

2742. WILLS, Ian. "Instrumentalizing Failure: Edison's Invention of the Carbon Microphone." *Ann. Sci.* 64 (2007): 383–409.

360-161. COMPUTERS; COMMUNICATION TECHNOLOGIES

(includes information sciences)

2743. BILLS, Emily. "The Telephone Shapes Los Angeles: Communications and Built Space, 1880–1950." *Diss. Abstr. Int. A* 67/06 (2006): 1949.

Dissertation at New York University, 2006. Adviser: Cohen, Jean-Louis. UMI pub. no. 3221929. 438 pp.

2744. DIBATTISTA, Liborio. "Etienne-Jules Marey (1830–1904) tra storia della scienza e storia della cinematografia." *Physis* 41 (2004): 241–252.

Essay review of four items concerning Marey, including Christian POCIELLO, *La science en mouvements* (1999) and Geneviève AUBERT, "From Photography to Cinematography." *J. Hist. Neurosci.* 11 (2002): 255–264.

2745. POSTNIKOV, Alexy V. "The Sale of Alaska and the International Expedition to Effect Telegraph Link between North America and Europe via Siberia." *Arch. Int. Hist. Sci.* 52 (2002): 237–276.

2746. SILVERMAN, Willa Z. "'Books Worthy of Our Era?' Octave Uzanne, Technology, and the Luxury Book in Fin-de-Siècle France." *Book Hist.* 7 (2004): 239–284.

360-163. AGRICULTURE AND RELATED SCIENCES

(includes animal husbandry, forestry, and food science)

2747. ALDRICH, Mark. "From Forest Conservation to Market Preservation: Invention and Diffusion of Wood-Preserving Technology, 1880–1939." *Tech. Cult.* 47 (2006): 311–340.

2748. BRÜSCH, Björn. "Provisions Made for Prosperity and Affluence: Karl Sigmund Franz Freiherr von Stein zum Altenstein and the Establishment of the

Gärtnerlehranstalt in Prussia." *Centaurus* 49 (2007): 15–55.

"Addresses some of the reasons behind the Prussian state's support for cultivation, (Landeskultur), in the early 19th century." (from the abstract)

2749. CARLSON, Laurie M. *William J. Spillman and the Birth of Agricultural Economics*. Missouri Biography Series. (21p pp.; ill.; bibl.; index.) Columbia: University of Missouri Press, 2005. ISBN: 0826215815.

Reviews: [ref. R209]

2750. CLARK, J. F. M. "The Eyes of Our Potatoes Are Weeping": The Rise of the Colorado Beetle as an Insect Pest." *Arch. Natur. Hist.* 34 (2007): 109–128.

On the realization of the impact of these pests and the 19th-century American, Canadian, and British responses to the threat, including the use of inorganic insecticides.

2751. CUNFER, Geoff. *On The Great Plains: Agriculture and Environment*. Foreword by Dan L. FLORES. Environmental History Series, 20. (xii + 292 pp.; ill.; maps; bibl.; index.) College Station: Texas A & M University Press, 2005. ISBN: 1585444006.

Covers the period from 1870 to 2000.

2752. GUDERMANN, Rita. "Conviction and Constraint: Hydraulic Engineers and Agricultural Amelioration Projects in Nineteenth-Century Prussia." In *Germany's Nature*, edited by LEKAN and ZELLER (2005) [ref. 404], 33–54.

2753. HIERHOLZER, Vera.

"Nahrungsmittelgendarmen": Regulierung der Nahrungsmittelqualität im Deutschen Kaiserreich." *Mitt. Ges. Deut. Chem. Fachgr. Gesch. Chem.* 18 (2005): 97–108.

2754. KNIGHT, G. Roger. "A Precocious Appetite: Industrial Agriculture and the Fertiliser Revolution in Java's Colonial Cane Fields, c. 1880-1914." *J. Southeast Asian Stud.* 37 (2006): 43–63.

2755. MOON, David. "The Environmental History of the Russian Steppes: Vasilii Dokuchaev and the Harvest Failure of 1891." *Trans. Roy. Hist. Soc.* 15 (2005): 149–174.

2756. PERRON, Normand. "Entre culture et science: l'État, l'innovation et le changement agricole dans la région de Charlevoix, fin XIXe-début XXe." *Sci. Canadensis* 29 (2006): 29–48.

2757. RANADE, Rekha. "Cultivation of Naturally Coloured Cotton in India in the 19th Century." *Indian J. Hist. Sci.* 42 (2007): 243–247.

2758. SACKMAN, Douglas Cazaux. *Orange Empire: California and the Fruits of Eden*. (xv + 386 pp.; ill.; bibl.; index.) Berkeley: University of California Press, 2005. ISBN: 0520238869.

From the 19th to the 20th century.

Reviews: [ref. R1188]

2759. SPEAR, Robert J. *The Great Gypsy Moth War: The History of the First Campaign in Massachusetts to Eradicate the Gypsy Moth, 1890-1901*. (xv + 308 pp.; ill.; bibl.) Amherst: University of Massachusetts Press, 2005. ISBN: 1558494790.

Reviews: [ref. R1298]

2760. WOODS, Abigail. "The Construction of an Animal Plague: Foot and Mouth Disease in Nineteenth-century Britain." *Soc. Hist. Med.* 17 (2004): 23–39.

370. TWENTIETH CENTURY, EARLY

(includes topics covering the entire 20th century)

370-1. GENERAL HISTORIES OF SCIENCE

(includes interdisciplinary topics and biographies of scientists)

2761. ACOSTA RIZO, Carlos, Nicolás CUVI, and Xavier ROQUÉ. *Ciencia entre España e Hispanoamérica: Ecos del siglo XX*. (135 pp.; ill.; bibl.) Barcelona: Centre d'Estudis d'Història de les Ciències, Universitat Autònoma de Barcelona, 2003. ISBN: 8468824844.

2762. AUGIER, Mie, and James G. MARCH. (Eds.) *Models of a Man: Essays in Memory of Herbert A. Simon*. (xiv + 553 pp.; ill.; bibl.; index.) Cambridge, MA: MIT Press, 2004. ISBN: 0262012081.

2763. BERNSTEIN, Jeremy. *Oppenheimer: Portrait of an Enigma*. (xi + 223 pp.; ill.; bibl.; index.) Chicago: Ivan R. Dee, 2004. ISBN: 1566635691.

Reviews: [ref. 2774, R95]

2764. BRIAN, Denis. *The Curies: A Biography of the Most Controversial Family in Science*. (ix + 438 pp.; ill.; bibl.; index.) Hoboken, N.J.: Wiley, 2005. ISBN: 0471273910.

Reviews: [ref. R154]

2765. ELSNER, Norbert. (Ed.) *Das ungelöste Welträtsel: Frida von UsLAR-Gleichen und Ernst Haeckel. Briefe und Tagebücher 1898-1903*. 3 vols. (1341 pp.) Wallstein, 2000. ISBN: 3892443777.

2766. FENNER, Frank. *Nature, Nurture and Chance: The Lives of Frank and Charles Fenner*. (xvii + 356 pp.; ill.) Canberra: ANU E Press, 2006. ISBN: 1920942629.

On Charles Fenner, the Australian geographer, and his son, the virologist Frank Fenner who helped to eradicate smallpox and to control Australia's rabbit plague.

Reviews: [ref. R420]

2767. HEISENBERG, Werner. *Liebe Eltern! Briefe aus kritischer Zeit 1918 bis 1945*. edited by Anna Maria HIRSCH-HEISENBERG. (400 pp.; ill.; bibl.) München: Langen Müller, 2003. ISBN: 3784429009.

Reviews: [ref. R607]

2768. KHOSROKHAVAR, Farhad, and M. Amin GHANEIRAD. "Iran's New Scientific Community." *Iran. Stud.* 39 (2006): 253–267.

Traces developments from the 1970s to the 21st century.

2769. LEVIT, George S. *Biogeochemistry, Biosphere, Noosphere: The Growth of the Theoretical System of Vladimir Ivanovich Vernadsky*. (116 pp.) Berlin: VVB, Verlag für Wissenschaft und Bildung, 2001. ISBN: 3861353512; 9783861353515.

2770. LIU Xue-zhen. "A review of Ren Hong-jun's scientific methodology." [Translated title.] In Chinese. *Kexue Jishu yu Bianzhengfa* 23, no. 1 (2006): 37–40.

2771. McMILLAN, Priscilla J. *The Ruin of J. Robert Oppenheimer and the Birth of the Arms Race*. (viii

+ 373 pp.; bibl.; index.) New York: Viking, 2005. ISBN: 0670034223.

Reviews: [ref. 2774]

2772. MOBERG, Carol L. *René Dubos, Friend of the Good Earth: Microbiologist, Medical Scientist, Environmentalist*. (xi + 260 pp.; ill.; maps.) Washington D.C.: American Society for Microbiology, 2005. ISBN: 1555813402.

Reviews: [ref. R961]

2773. PAIS, Abraham. *J. Robert Oppenheimer: A Life*. With supplemental material by Robert P. CREASE. (xxii + 352 pp.; ill.; bibl.; index.) Oxford: New York: Oxford University Press, 2007. ISBN: 0195166736.

2774. PASACHOFF, Naomi. "The Many Facets of J. Robert Oppenheimer." *Metascience* 15 (2006): 251–263.

Essay review of Jeremy BERNSTEIN, *Oppenheimer* (2004) [ref. 2763]; Kai BIRD and Martin J. SHERWIN, *American Prometheus* (2005); David C. CASIDY, *J. Robert Oppenheimer and the American Century* (2004); Jennet CONANT, *109 East Palace* (2005); Priscilla J. McMILLAN, *The Ruin of J. Robert Oppenheimer and the Birth of the Arms Race* (2005) [ref. 2771].

2775. POLANYI, John C. "Michael Polanyi, the Scientist." *Chem. Heritage* 23, no. 1 (2005): 10–13.

2776. RICKETTS, Edward Flanders. *Breaking Through: Essays, Journals, and Travelogues of Edward F. Ricketts*. edited by Katharine A. RODGER. Foreword by Susan F. BEEGL. (xix + 348 pp.; ill.; bibl.; index.) Berkeley: University of California Press, 2006. ISBN: 0520247043.

Writings of the California marine biologist, conservationist, and philosopher.

Reviews: [ref. R1141]

2777. RIDLEY, Matt. *Francis Crick: Discoverer of the Genetic Code*. Eminent Lives. (x + 213 pp.; bibl.; index.) New York: Atlas Books, 2006. ISBN: 006082333X.

Reviews: [ref. R1143]

2778. SPURLOCK, James William. "The Bell Telephone Laboratories and the Military-Industrial Complex: The Jewett-Buckley Years, 1925–1951." *Diss. Abstr. Int. A* 68/01 (2007).

Dissertation at The George Washington University, 2007. Advisor: Becker, William H. Pub. no. AAT 3248464. 428 pp.

2779. STROUT, Cushing. "A Rare Gift for Complacation." *Rev. Amer. Hist.* 34 (2006): 86–92.

Essay review of Kai BIRD and Martin J. SHERWIN, *American Prometheus* (2005).

2780. THOMAS, John Meurig. "Max Perutz: Chemist, Molecular Biologist, Human Rights Activist." *Notes Rec. Roy. Soc. Lond.* 60 (2006): 59–65.

2781. THORPE, Charles. *Oppenheimer: The Tragic Intellect*. (xx + 413 pp.; bibl.; index; ill.) Chicago: University of Chicago Press, 2006. ISBN: 0226798453.

370-2. NATIONAL CONTEXTS

2782. OLAGÜE DE ROS, Guillermo. "La Unión Médica Hispano-Americana (1900) y su contribución

al internacionalismo científico." *Dynamis* 26 (2006): 151–168.

Focuses on Manuel Tolosa Latour and his suggestion to create a *Diccionario Tecnológico Médico Hispano-Americano*.

2783. TEODORESCU, Horia-Nicolai. "Hermann Oberth and His Professional Geography in the European Context of the XXth Century." *Noesis* 29 (2004): 175–187.

Examines the Romanian physicist and early rocket engineer Oberth in the political/national context of 20th-century Europe.

370-3. SOURCES OF INFORMATION

(includes bibliographies, electronic sources, and works on libraries, archives, and museums)

2784. EINSTEIN, Albert. *The Collected Papers of Albert Einstein*. edited by Diana Kormos BUCHWALD, Tilman SAUER, Ze'ev ROSENKRANZ, József ILLY, and Virginia Iris HOLMES. Vol. 10. *The Berlin Years: Correspondence, May–December 1920, and Supplementary Correspondence, 1909–1920*. (English translation of selected texts). Translated by Ann HENTSCHEL. Collected Papers of Albert Einstein. (386 pp.; index.) Princeton, N.J.; Woodstock: Princeton University Press, 2006. ISBN: 069112826X.

Includes only selections from the similarly titled volume Albert EINSTEIN, *The Collected Papers of Albert Einstein* edited by Diana Kormos BUCHWALD, Tilman SAUER, Ze'ev ROSENKRANZ, József ILLY, and Virginia Iris HOLMES. (2006) [ref. 2785].

2785. EINSTEIN, Albert. *The Collected Papers of Albert Einstein*. edited by Diana Kormos BUCHWALD, Tilman SAUER, Ze'ev ROSENKRANZ, József ILLY, and Virginia Iris HOLMES. Vol. 10. *The Berlin Years: Correspondence, May–December 1920, and Supplementary Correspondence, 1909–1920*. (The original texts). Collected Papers of Albert Einstein. (776 pp.; bibl.; ill.; index.) Princeton, N.J.; Woodstock: Princeton University Press, 2006. ISBN: 0691128251.

2786. EINSTEIN, Albert. *The Collected Papers of Albert Einstein*. edited by Diana Kormos BUCHWALD, Robert SCHULMANN, József ILLY, Daniel J. KENEFICK, and Tilman SAUER. Vol. 9, *The Berlin years: correspondence, January 1919–April 1920* (The original texts). Collected Papers of Albert Einstein. (832 pp.; ill., index.) Princeton, N.J.; Woodstock: Princeton University Press, 2004. ISBN: 0691120889.

2787. EINSTEIN, Albert. *The Collected Papers of Albert Einstein*. edited by Michel JANSEN, Robert SCHULMANN, József ILLY, Christoph LEHNER, Diana Kormos BUCHWALD, Daniel KENEFICK, A. J. KOX, David ROWE, R. HIRSCHMANN, O. MOSES, A. MYNTTINEN, A. PRINGLE, and R. FOUNTAIN. Vol. 7, *The Berlin Years: Writings, 1918–1921*. (The Original texts.). Collected Papers of Albert Einstein. (xlvi + 689 pp., ill., bibl., index.) Princeton, NJ: Princeton University Press, 2002. ISBN: 0691057176.

Reviews: [ref. R386]

370-20. SCIENCE AND ITS INTERACTION WITH SOCIETY AND CULTURE, GENERAL WORKS

(includes popular culture; popularization of science; public understanding of science)

- 2788.** BANEKE, David. "‘Synthese! Geef ons synthese!’ H. J. Jordan en het intellectuele debat tijdens het interbellum." Translated title: [The quest for synthesis. H. J. Jordan and the intellectual debate of the interwar years]. In Dutch. *Gewina* 28 (2005): 169–185.

On the philosophical and social ideas of the Dutch physiologist Hermann Jacques Jordan.

- 2789.** LAWRENCE, Christopher, and Anna-K. MAYER. (Eds.) *Regenerating England: Science, Medicine and Culture in Inter-War Britain*. *Clio medica*, 60. (iii + 316 pp.; ill.; bibl.; index.) Amsterdam, Atlanta, GA: Rodopi, 2000. ISBN: 9042009012.

Contents: Christopher LAWRENCE and Anna-K. MAYER, "Regenerating England: An Introduction," 1-23; Michael BARTHOLOMEW, "H. V. Morton's English Utopia," 25-44; Christopher LAWRENCE, "Edward Jenner's Jockey Boots and the Great Tradition in English Medicine 1918–1939," 45-66; Anna-K. MAYER, "‘A combative sense of duty’: Englishness and the Scientists," 67-106; Timothy BOON, "‘The shell of a prosperous age’: History, Landscape and the Modern in Paul Rotha's *The Face of Britain* (1935)," 107-148; Elizabeth DARLING, "‘Enriching and enlarging the whole sphere of human activities’: The Work of the Voluntary Sector in Housing Reform in Inter-War Britain," 149-178; Keith VERNON, "A Healthy Society for Future Intellectuals: Developing Student Life at Civic Universities," 179-202 [ref. 81]; Abigail BEACH, "Potential for Participation: Health Centres and the Idea of Citizenship c.1920–1940," 203-230; Mathew THOMSON, "Constituting Citizenship: Mental Deficiency, Mental Health and Human Rights in Inter-War Britain," 231-250; Rhodri HAYWARD, "The Biopolitics of Arthur Keith and Morley Roberts," 251-274; Lesley A. HALL, "‘Not a domestic utensil but a woman and a citizen’: Stella Browne on Women, Health and Society," 275-302.

- 2790.** LÓPEZ SÁNCHEZ, José María. "Im Dienste der Wissenschaft: Der *Centro de estudios históricos* und die Begründung eines liberalen Nationalbewußtseins in Spanien (1910–1936)." *Ber. Wissenschaftsgesch.* 29 (2006): 121–136.

- 2791.** NDIAYE, Pap A. *Nylon and Bombs: DuPont and the March of Modern America*. Translated by Elborg FORSTER. *Studies in Industry and Society*. (289 pp.; ill.; bibl.; index.) Baltimore: Johns Hopkins University Press, 2007. ISBN: 9780801884443.

On DuPont's role in the development of both nylon and plutonium and the relationship of those technologies to 20th-century American culture.

- 2792.** SAHOO, Subhasis, and Binay Kumar PATNAIK. "Scientist as Interlocutor between Science and Society: Two Biographical Studies from Orissa (India)." *Indian J. Hist. Sci.* 42 (2007): 47–72.

370-22. SCIENCE AND POLITICS; SCIENCE AND LAW; SCIENCE AND ECONOMICS

(includes science policy, patronage, international relations)

- 2793.** BIEBER, Hans-Joachim. "Zur Frühgeschichte der indischen Nuklearpolitik." *Gesch. Gesell.* 31 (2005): 373–414.

- 2794.** CHILVERS, C. A. J. "The Dilemmas of Seditious Men: The Crowther-Hessen Correspondence in the 1930s." *Brit. J. Hist. Sci.* 36 (2003): 417–435.

- 2795.** GODIN, Benoit. *Measurement and Statistics on Science and Technology: 1920 to the Present*. *Routledge Studies in the History of Science, Technology and Medicine*, 22. (xx + 360 pp.; ill.; bibl.; index.) London; New York: Routledge, 2005. ISBN: 0415341043.

Asks how governments objectively measure scientific activities, how they determine what proportion of economic activities they should devote to research and development, and how research can best be directed to achieve social goals.

Reviews: [ref. R504]

- 2796.** GOENNER, Hubert. "Albert Einstein and Friedrich Dessauer: Political Views and Political Practice." *Phys. Persp.* 5 (2003): 21–66.

- 2797.** KOZLOFF, Nikolas. "Asserting State Authority through Environmental Monitoring: Venezuela in the Post-Gómez Era, 1935–1945." *Bull. Latin Amer. Res.* 25 (2006): 282–300.

- 2798.** LAIBLER, Anat. "Statisticians' Ambition: Governmentality, Modernity and National Legibility." *Israel Studies* 9, no. 2 (2004): 121–149.

Discusses the creation of the Israeli Central Bureau of Statistics and the emergence of a statistical scientific community around it.

- 2799.** LINNE, Karsten. "Aufstieg und Fall der Kolonialwissenschaften im Nationalsozialismus." *Ber. Wissenschaftsgesch.* 26 (2003): 275–284.

- 2800.** POLLOCK, Ethan. *Stalin and the Soviet Science Wars*. (viii + 269 pp.; ill.; bibl.; index.) Princeton, N.J.: Princeton University Press, 2006. ISBN: 0691124671.

- 2801.** ROWE, David E., and Robert SCHULMANN. (Eds.) *Einstein on Politics: His Private Thoughts and Public Stands on Nationalism, Zionism, War, Peace, and the Bomb*. (xxxiv + 523 pp.; ill.; bibl.; index.) Princeton: Princeton University Press, 2007. ISBN: 9780691120942.

- 2802.** SIME, Ruth Lewin. "Twice Removed. The Emigration of Lise Meitner and Marietta Blau." In *Österreichs Umgang mit dem Nationalsozialismus*, edited by STADLER (2004) [ref. 2880], 153–170.

- 2803.** SONNERT, Gerhard, and Gerald James HOLTON. *What Happened to the Children Who Fled Nazi Persecution*. (xiv + 265 pp.; ill.; bibl.; index.) New York: Palgrave Macmillan, 2006. ISBN: 1403976252.

Many of the refugees to the United States became scientists.

- 2804.** SWANN, John P. "How Chemists Pushed for Consumer Protection." *Chem. Heritage* 24, no. 2 (2006): 6–11.

2805. VOM BRUCH, Rüdiger, and Brigitte KADERAS. (Eds.) *Wissenschaften und Wissenschaftspolitik: Bestandsaufnahmen zu Formationen, Brüchen und Kontinuitäten im Deutschland des 20. Jahrhunderts*. (476 pp.; bibl.; ill.) Stuttgart: F. Steiner, 2002. ISBN: 3515081119.

Reviews: [ref. R1400]

2806. WALKER, J. Samuel. "Recent Literature on Truman's Atomic Bomb Decision: A Search for Middle Ground." *Diplomatic Hist.* 29 (2005): 311–334.

370-23. SCIENCE AND LITERATURE; SCIENCE AND ART

(includes drama and performing arts)

2807. DEBUS, Allen A., and Diane E. DEBUS. "A Mythic Place in Time—Spirit in the Knight." *Amer. Paleon.* 13 (2005): 22–24.

2808. DROWN, Eric. "'A Finer and Fairer Future': Commodifying Wage Earners in American Pulp Science Fiction." *Endeavour* 30 (2006): 92–97.

On science fiction in the Gernsback era (1926–1937).

2809. HAAKENSEN, Thomas Odell. "Grotesque Visions: Art, Science, and Visual Culture in Early-Twentieth-Century Germany." *Diss. Abstr. Int. A* 67/08 (2007).

Dissertation at University of Minnesota, 2006. Adviser: Ganguly, Keya. UMI pub. no. 3227548. 368 pp.

2810. KAWANA, Sari. "Mad Scientists and Their Prey: Bioethics, Murder, and Fiction in Interwar Japan." *J. Japan. Stud.* 31 (2005): 89–120.

2811. KINZER, Gregory S. "Catalysis: Experimental Poetry and the Sciences." *Diss. Abstr. Int. A* 67/07 (2007).

Dissertation at State University of New York at Buffalo, 2006. Adviser: Conte, Joseph M. UMI pub. no. 3226591. 263 pp. Looks at the way 20th-century American poets "engage with the physical world and the scientific ideas used to explore, describe, and explain it." (from the abstract)

2812. LUGONES, Leopoldo. "The Size of Space (An Essay on Mathematical Psychology)." Special issue: "Science in Latin-American Contexts – Historical Studies" [ref. 3022]. *Sci. Context* 18 (2005): 317–336.

Essay on the reconceptualization of space since medieval times by an early 20th-century Argentinian essayist. Translated by Miguel de ASÚA and Diego Hurtado de MENDOZA

2813. MILLER, Arthur I. "Einstein, Picasso—Science, Art." *J. Dial. Natur.* 27, no. 2 (2005): 1–6.

2814. THIHER, Allen. *Fiction Refracts Science: Modernist Writers from Proust to Borges*. (xii + 297 pp.; bibl.; index.) Columbia: University of Missouri Press, 2005. ISBN: 0826215807.

On the relationship between science and modernist fiction (by Musil, Proust, Kafka, Joyce, etc.), as it pertains to Pascalian and Newtonian cosmology, Darwinism, epistemology, relativity theory, and quantum mechanics.

2815. WILLIS, Lloyd. "Monstrous Ecology: John Steinbeck, Ecology, and American Cultural Politics." *J. Amer. Cult.* 28 (2005): 357–367.

"Comments on the establishment of author John Steinbeck as an environmentalist by a range of scholars." (from the abstract)

370-26. SCIENCE AND RACE; SCIENCE AND ETHNICITY

(for eugenics, see 135-Human biology and 150-Medicine)

2816. GOLDSTEIN, Eric L. "Contesting the Categories: Jews and Government Racial Classification in the United States." *Jewish Hist.* 19 (2005): 79–107.

2817. HEINEMANN, Isabel. *Rasse, Siedlung, deutsches Blut: Das Rasse- und Siedlungshauptamt der SS und die rassenpolitische Neuordnung Europas*. Moderne Zeit, 2. (697 pp.; ill.; maps; bibl.; index.) Göttingen: Wallstein, 2003. ISBN: 3892446237.

Reviews: [ref. R605]

2818. MEZZANO, Michael. "The Progressive Origins of Eugenics Critics: Raymond Pearl, Herbert S. Jennings, and the Defense of Scientific Inquiry." *Journal of the Guilded Age and Progressive Era* 4 (2005): 83–98.

2819. NADKARNI, Asha. "Reproductive Nationalism: Eugenic Feminist Literature in the United States and India." *Diss. Abstr. Int. A* 67/08 (2007): 2976.

Dissertation at Brown University, 2006. Adviser: Saldana-Portillo, Maria Josefina. Pub. no. AAT 3227901. 243 pp.

2820. SCHAFFER, Gavin. "Scientific 'Race' Thinking and Migration: Blacks and Jews in Britain, 1918–1962." *Diss. Abstr. Int. C* 65/02 (2004): 629.

Dissertation at the University of Southampton (United Kingdom), 2003. UMI pub. no. C817241. On "the impact of scientific 'racial' thinking on attitudes and policy towards Jewish and Black immigrants and minorities." (from the abstract)

2821. STEINWEIS, Alan E. *Studying the Jew: Scholarly Antisemitism in Nazi Germany*. (203 pp.; bibl.; index.) Cambridge, MA: Harvard University Press, 2006. ISBN: 067402205X.

Investigates the careers of German scholars, who used anthropology, biology, religion, history, and the social sciences to create scholarship that justified antisemitic policies.

Reviews: [ref. R1318]

2822. WENTLING, Sonja P. "The Engineer and the Shtadlanim: Herbert Hoover and American Jewish Non-Zionists, 1917–28." *Amer. Jewish Hist.* 88 (2000): 377–406.

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370-27. SCIENCE AND GENDER

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370-28. SCIENCE AND RELIGION

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2829. LIENESCH, Michael. *In the Beginning: Fundamentalism, the Scopes Trial, and the Making of the Antievolution Movement*. H. Eugene and Lillian Youngs Lehman Series. (x + 338 pp.; ill.; index; bibl.) Chapel Hill: University of North Carolina Press, 2007. ISBN: 9780807830963.

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2831. MOORE, James. "R. A. Fisher: A Faith Fit for Eugenics." *Stud. Hist. Phil. Biol. Biomed. Sci.* 38 (2007): 110-135.

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370-29. SCIENCE AND WAR

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2835. BADASH, Lawrence. "American Physicists, Nuclear Weapons in World War II, and Social Responsibility." *Phys. Persp.* 7 (2005): 138-149.

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2848. KOLCHINSKY, Eduard I. "Science Mobilization in the Soviet Union." Special issue: "Science and Technology during the Second World War and the Cold War: A Perspective for a Cooperative Study" [ref. 2847]. *Hist. Scientiarum* 16 (2006): 15-28.

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370-40. SCIENTIFIC INSTITUTIONS (includes awards and prizes)

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2861. BRISON, Jeffrey D. *Rockefeller, Carnegie, and Canada: American Philanthropy and the Arts and Letters in Canada*. (xiii + 281 pp.; bibl.; index.) Montréal: McGill-Queen's University Press, 2005. ISBN: 0773528687.

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2870. SCHÜRING, Michael. "Kontinuität im 'Wiederaufbau': Die Rolle Ernst Telschows beim Übergang der Kaiser-Wilhelm-zur Max-Planck-Gesellschaft." *Mitt. Ges. Deut. Chem. Fachgr. Gesch. Chem.* 18 (2005): 148–156.

2871. VESSURI, Hebe M. C. "Academic Science in Twentieth-Century Latin America." In *Science in Latin America*, by SALDAÑA (2006) [ref. 33], 197–230.

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370-41. SCIENTIFIC INSTRUMENTS (includes science of measurement)

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370-42. SCIENCE EDUCATION (includes history of educational institutions)

2876. BENS AUDE-VINCENT, Bernadette. "Paul Langevin : L'histoire des sciences comme remède à tout dogmatisme." Part of special section: "L'enseignement de l'histoire des sciences en France sous la Troisième République" [ref. 249]. *Rev. Hist. Sci.* 58 (2005): 311–327.

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2879. RUDOLPH, John L. "Epistemology for the Masses: The Origins of 'The Scientific Method' in American Schools." *Hist. Educ. Quart.* 45 (2005): 341–376.

2880. STADLER, Friedrich. (Ed.) *Österreichs Umgang mit dem Nationalsozialismus: Die Folgen für die naturwissenschaftliche und humanistische Lehre.* (283 pp.; ill.; bibl.; index.) Wien; New York: Springer, 2004. ISBN: 3211215379.

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2881. WEINER, Douglas R. "Struggle over the Soviet Future: Science Education versus Vocationalism during the 1920s." *Russ. Rev.* 65 (2006): 72–97.

2882. YAO Ya-xin. "The foundation of the graduate college at Tsinghua University and scientific research in 1930s." [Translated title.] In Chinese. *Kexue Jishu yu Bianzhengfa* 24, no. 1 (2007): 96–100.

2883. ZACK, Manuel, Lawrence MARTIN, and Alvin A. LEE. *Harry Thode: Scientist and Builder at McMaster University*. (vi + 171 pp.; bibl.) Hamilton, Ont.: McMaster University Press, 2003. ISBN: 1894088387.

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370-102. HISTORY OF PHILOSOPHY; HISTORY OF IDEAS

(includes history of philosophy of science)

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2886. DUHEM, Pierre. *Sauver les apparences : Sur la notion de théorie physique, de Platon à Galilée*. Introduction by Paul BROUZENG. Bibliothèque des textes philosophiques. (156 pp.) Paris: Librairie philosophique J. Vrin, (2003). ISBN: 2711616088.

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2891. MIAH, Sajahan. *Russell's Theory of Perception*. Continuum Studies in British Philosophy. (xiii

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Reviews: [ref. R946]

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2893. SIEROKA, Norman. "Weyl's 'Agens Theory' of Matter and the Zurich Fichte." *Stud. Hist. Phil. Sci.* 38 (2007): 84–107.

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2894. STADLER, Friedrich. (Ed.) *Vienna Circle and Logical Empiricism: Re-evaluation and Future Perspectives*. Vienna Circle Institute Yearbook, 10. (xxiii + 423 pp.; bibl.; index.) Dordrecht/Boston: Kluwer Academic Publishers, 2003. ISBN: 1402012691.

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370-103. MATHEMATICS

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2899. BOTEZ, Elvira. "Petre Sergescu : L'homme de culture." *Noesis* 29 (2004): 195–201.

2900. CASSOU-NOGUÈS, Pierre. "Gödel and 'The objective existence' of Mathematical Objects." *Hist. Phil. Logic* 26 (2005): 211–228.

2901. DALEN, Dirk van. *L.E.J. Brouwer, 1881–1966: Een biografie: Het heldere licht van de wiskunde*. (559 pp.; ill.; bibl.; index.) Amsterdam: B. Bakker, 2001. ISBN: 9035121856.

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2906. FROST-ARNOLD, Gregory G. "Carnap, Tarski, and Quine's Year Together: Logic, Mathematics, and Science." *Diss. Abstr. Int.* A 67/08 (2007).

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2907. GEORGIADOU, Maria. *Constantin Carathéodory: Mathematics and Politics in Turbulent Times*. (xxviii + 651 pp.; ill.; bibl.; index.) Berlin: Springer, 2004. ISBN: 350203524.

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2908. GLUCHOFF, Alan. "Pure Mathematics Applied in Early Twentieth-Century America: The Case of T. H. Gronwall, Consulting Mathematician." *Hist. Math.* 32 (2005): 312–357.

2909. GRAY, Jeremy J. *The Hilbert Challenge*. Oxford University Press, 2000. ISBN: 0198506511; 9780198506515.

2910. HAN Lai-ping and XING Run-chuan. "Einstein's belief in mathematics." [Translated title.] In Chinese. *Kexue Jishu yu Bianzhengfa* 23, no. 3 (2006): 90–94.

2911. HIRZBRUCH, Friedrich. "Bemerkungen zum Exodus der Mathematik aus Deutschland." In *Österreichs Umgang mit dem Nationalsozialismus*, edited by STADLER (2004) [ref. 2880], 127–135.

2912. JOSEPH, Rima. "Paul Valéry : Parmi la mathématique." *Diss. Abstr. Int.* A 67/02 (2006): 556.

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2914. KOSMANN-SCHWARZBACH, Yvette, and Laurent MEERSSEMAN. *Les théorèmes de Noether : invariance et lois de conservation au XX^e siècle : avec une traduction de l'article original, "Invariante Variationsprobleme."* Histoire des mathématiques. (173 pp.; ill.; bibl.; index.) Palaiseau: Éditions de l'École polytechnique, 2004. ISBN: 2730211381.

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gation of the Text *Eugene Onegin* Concerning the Connection of Samples in Chains," 591–600; A. A. MARKOV, "On a Remarkable Case of Samples Connected in a Chain: Appendix on the Statistical Investigation of a Text by Aksakov," 601–604.

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370-113. CHEMISTRY

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370-120. EARTH AND ATMOSPHERIC SCIENCES, GENERAL WORKS
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Reviews: [ref. R364]

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Reviews: [ref. R1024]

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370-121. GEOGRAPHY; CARTOGRAPHY; EXPLORATION

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3111. MACLAREN, I.S., Eric HIGGS, and Gabrielle ZEZULKA-MAILLOUX. *Mapper of Mountains: M.P. Bridgland in the Canadian Rockies 1902-1930*. (xvi + 295 pp.; ill; maps; bibl.; index.) Edmonton: University of Alberta Press, 2005. ISBN: 0888644566.

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370-122. NATURAL HISTORY

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Reviews: [ref. R350]

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Reviews: [ref. R857]

3117. WONDRAK BIEL, Alice. *Do (Not) Feed the Bears: The Fitful History of Wildlife and Tourists in Yellowstone*. (x + 186 pp.; ill.; bibl.; index.) Lawrence: University of Kansas Press, 2006. ISBN: 070061432X.

Reviews: [ref. R1453]

370-123. ECOLOGY; ENVIRONMENTAL SCIENCES (includes conservation, natural resource management, and environmental history; for forestry, see 163-Agriculture)

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3119. BIGGS, David. "Managing a Rebel Landscape: Conservation, Pioneers, and the Revolutionary Past in the U Minh Forest, Vietnam." *Environ. Hist.* 10 (2005): 448–476.

3120. BROOKS, Karl Boyd. *Public Power, Private Dams: The Hell's Canyon High Dam Controversy*. Weyerhaeuser Environmental Books. (xxvii + 290 pp.; ill.; bibl.; index.) Seattle: University of Washington Press, 2006. ISBN: 0295985976.

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Reviews: [ref. R174]

3122. CHEW, Matthew K. "Ending with Elton: Pre-ludes to Invasion Biology." *Diss. Abstr. Int. A* 67/11 (2007).

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agency. This dissertation traces the history of this study prior to the publication of Charles Elton's 1958 book which is traditionally used to mark the founding of the discipline.

- 3123.** CHO Myung-Rae. "Emergence and Evolution of Environmental Discourses in South Korea." Lead article in a symposium: "Discourses and Practices of Environmentalism in South Korea." *Korea J.* 44, no. 3 (2004): 138–164.

Contents: LEE Hongkyun, "Environmental Awareness and Environmental Practice in Korea," 165–184; KU Do-Wan, "The Korean Environmental Movement: *Green Politics Through Social Movement*," 185–219; MOON Tae Hoon, "Environmental Policy and Green Government in Korea," 220–251.

- 3124.** CIANCIO, Luca. "Giovanni Battista Trener e il Centro di studi alpini del Consiglio Nazionale delle Ricerche (1946–1954)." *Arch. Trentino* 10 (2006): 125–150.

- 3125.** COHEN, Shana Miriam. "American Garden Clubs and the Fight for Nature Preservation, 1890–1980." *Diss. Abstr. Int.* A 67/04 (2006): 1496.

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- 3126.** COLTEN, Craig E. "Contesting Pollution in Dixie: The Case of Corney Creek." *J. South. Hist.* 72 (2006): 605–634.

- 3127.** CUSHMAN, Gregory T. "'The Most Valuable Birds in the World': International Conservation Science and the Revival of Peru's Guano Industry, 1909–1965." *Environ. Hist.* 10 (2005): 477–509.

- 3128.** DAVIS, Frederick R. *The Man Who Saved Sea Turtles: Archie Carr and the Origins of Conservation Biology*. (xv + 312 pp.; ill.; maps; bibl.; index.) Oxford; New York: Oxford University Press, 2007. ISBN: 9780195310771.

- 3129.** DUNAWAY, Finis. "Hetch Hetchy and the Meanings of American Conservation." *Rev. Amer. Hist.* 34 (2006): 214–221.

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- 3130.** EGAN, Michael. "Seeing the Forest and the Trees: Visual Culture in American Conservation History." *Rev. Amer. Hist.* 34 (2006): 399–406.

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- 3131.** ELIOT, Christopher. "Method and Metaphysics in Clements's and Gleason's Ecological Explanations." *Stud. Hist. Phil. Biol. Biomed. Sci.* 38 (2007): 85–109.

- 3132.** HORTA DUARTE, Regina. "Pássaros e cientistas no Brasil: em busca de proteção, 1894–1938." *Latin Amer. Res. Rev.* 41 (2006): 3–26.

- 3133.** LYTLE, Mark H. *The Gentle Subversive: Rachel Carson, Silent Spring, and the Rise of the Environmental Movement*. New Narratives in American History. (x + 277 pp.; ill.; bibl.; index.) New York: Oxford University Press, 2007. ISBN: 0195172469.

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- 3135.** MOORE, Ted. "Democratizing the Air: The Salt Lake Women's Chamber of Commerce and Air Pollution, 1936–1945." *Environ. Hist.* 12 (2007): 80–106.

- 3136.** SHORES, James W. "A Win-Lose Situation: Historical Context, Ethos, and Rhetorical Choices in John Muir's 1908 'Hetch Hetchy Valley' Article." *J. Amer. Cult.* 29 (2006): 191–201.

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- 3138.** SUNSERI, Thaddeus. "Forestry and the German Imperial Imagination: Conflicts over Forest Use in German East Africa." In *Germany's Nature*, edited by LEKAN and ZELLER (2005) [ref. 404], 81–107.

- 3139.** TROW, George W. S. *The Harvard Black Rock Forest*. Sightline Books. (109 pp.) Iowa City: University of Iowa Press, 2004. ISBN: 0877458952.

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370-124. PALEONTOLOGY

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370-131. BOTANY

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370-133. HEREDITY; GENETICS; EVOLUTION
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370-136. NEUROSCIENCE (see also 151-Psychiatry)

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370-137. PSYCHOLOGY; COMPARATIVE PSYCHOLOGY

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- 3226.** EILAM, Gavriela. "The Philosophical Foundations of Aleksandr R. Luria's Neuropsychology." *Sci. Context* 16 (2003): 551–577.
- 3227.** EVERS-FAHEY, Karen. "The Ego Concept in the Works of C. G. Jung." *Diss. Abstr. Int. C* 65/02 (2004): 852.
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370-153. PHARMACY

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370-160. TECHNOLOGY, GENERAL WORKS
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370-161. COMPUTERS; COMMUNICATION TECHNOLOGIES

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Reviews: [ref. R1450]

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370-163. AGRICULTURE AND RELATED SCIENCES

(includes animal husbandry, forestry, and food science)

3491. BROWN, Karen. "Tropical Medicine and Animal Diseases: Onderstepoort and the Development of Veterinary Science in South Africa, 1908–1950." *J. South. African Stud.* 31 (2005): 513–529.

3492. ERTSEN, Maurits W. "Aspects of Irrigation Development in the Netherlands East Indies." *J. Transdisc. Res. South. Africa* 2 (2006): 47–72.

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Reviews: [ref. R1296]

3497. VARTY, John F. "Growing Bread: Technology, Environment, and Modern Wheat at the Dominion Grain Research Laboratory, Canada, 1912–1960." *Diss. Abstr. Int. A* 67/06 (2006).

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3498. VARTY, John F. "On Protein, Prairie Wheat, and Good Bread: Rationalizing Technologies and the Canadian State, 1912–1935." *Can. Hist. Rev.* 85 (2004): 721–753.

370-164. AIR AND SPACE TECHNOLOGIES

(includes manned and unmanned space travel)

3499. CONWAY, Erik M. *Blind Landings: Low-Visibility Operations in American Aviation, 1918–1958*. (xiv + 218 pp.; ill.; bibl.; index.) Baltimore: Johns Hopkins University Press, 2006. ISBN: 0801884497.

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3500. DOWNER, John Richard. "The Burden of Proof: Regulating Reliability in Civil Aviation." *Diss. Abstr. Int. A* 67/07 (2007).

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3502. LEMCO, Ian. "Wittgenstein's Aeronautical Investigation." *Notes Rec. Roy. Soc. Lond.* 61 (2007): 39–51.

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375. TWENTIETH CENTURY, LATE; TWENTY-FIRST CENTURY

375-1. GENERAL HISTORIES OF SCIENCE

(includes interdisciplinary topics and biographies of scientists)

3505. DENTON, Derek. "Kenneth Baillieu Myer 1921–1992." *Hist. Rec. Aust. Sci.* 18 (2007): 97–111.
Australian philanthropist of various national scientific institutions.

3506. DUQUE, Richard B. "How the Internet Is Shaping the Chilean Scientific Community: Globalization and Dependency." *Diss. Abstr. Int.* A 68/03 (2007).
Dissertation at Louisiana State University and Agricultural & Mechanical College, 2007. Adviser: Shrum, Wesley. Pub. no. AAT 3256319. 180 pp.

3507. GRAFEN, Alan, and Mark RIDLEY. (Eds.) *Richard Dawkins: How a Scientist Changed the Way We Think.* (xiii + 283 pp.; ill.; bibl.; index.) Oxford; New York: Oxford University Press, 2006. ISBN: 0199291160.

Celebration of Dawkins by his students on the 30th anniversary of the publication of *The Selfish Gene*.
Reviews: [ref. R522]

375-2. NATIONAL CONTEXTS

3508. KANG Hoje. *Bukhan gwahak gisul hyeongseongsa*. Translated title: [History of the formation of science and technology in North Korea, vol. 1]. In Korean. Seoul: Seonin Publishing, 2007.

On science-technology policies, research institutions, and the activities of scientists and engineers from 1945 to the early 1960s; traces the activities of the Academy of Sciences of the Democratic People's Republic of Korea.

375-20. SCIENCE AND ITS INTERACTION WITH SOCIETY AND CULTURE, GENERAL WORKS

(includes popular culture; popularization of science; public understanding of science)

3509. BILLINGS, Linda. "Sex. Aliens. Harvard? Rhetorical Boundary-Work in the Media: (A Case Study of the Role of Journalists in the Social Construction of Scientific Authority)." *Diss. Abstr. Int.* A 67/01 (2006): 15.

Dissertation at Indiana University, 2005. Adviser: Stocking, S. Holly. UMI pub. no. 3204281. 398 pp. Looks at media reaction to Pulitzer Prize winning Harvard psychiatry professor John Mack's involvement in UFO abduction claims.

3510. DAY, Michael A. "I. I. Rabi: The Two Cultures and the Universal Culture of Science." *Phys. Persp.* 6 (2004): 428–476.

3511. HESSLER, Martina. "Wissenschaftsstädte - Zur Bedeutung des Topos der kreativen Stadt für die Wissensproduktion." *Ber. Wissenschaftsgesch.* 30 (2007): 145–160.

Explains how "the relationship of science and the city has changed since the 1970s." (from the abstract)

3512. MATHESON, Tamara Chaplin. "Embodying the Mind, Producing the Nation: Philosophy on

French Television." *J. Hist. Ideas* 67 (2006): 315–341.

On use of TV by the French state in a nation-building capacity through the broadcast of thousands of programs on philosophy in the late 20th century.

3513. MEULENBERG, Frans. "'Amice, ga je gang, maar maak het niet te moeilijk'. De wetenschapsrubriek van Pierre Vinken in *Vrij Nederland*: 1959–1963." Part of a special issue: "Geschiedenis van de medische publiekcommunicatie" [ref. 561]. *Gewina* 25 (2002): 275–288.

On one of the pioneers of scientific journalism in the Netherlands.

375-21. SCIENCE AND ETHICS

3514. CORRIGAN, Oonagh P., and Bryn WILLIAMS-JONES. "Pharmacogenetics: The Bioethical Problem of DNA Investment Banking." Part of a special issue: "Genetic Databases and Pharmacogenetics: Social, Policy and Ethical Issues" [ref. 3801]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 550–565.

375-22. SCIENCE AND POLITICS; SCIENCE AND LAW; SCIENCE AND ECONOMICS

(includes science policy, patronage, international relations)

3515. BALMER, Brian. "A Secret Formula, a Rogue Patent and Public Knowledge about Nerve Gas: Secrecy as a Spatial–Epistemic Tool." *Soc. Stud. Sci.* 36 (2006): 691–722.

Case study of the publication and reaction to a 1975 British newspaper article reporting that the patent on a chemical warfare agent was available in public libraries.

3516. BLOK, Anders. "Experts on Public Trial: On Democratizing Expertise through a Danish Consensus Conference." *Public Underst. Sci.* 16 (2007): 163–182.

3517. BRAUN, Daniel. "Sorting Out Disasters: A New Case Study for Classification Theory." *Sci. Canadensis* 29 (2006): 73–86.

On the government classification of disasters.

3518. GORMALLY, Luke. "Arguing from Autonomy and Dignity for the Legalization of Assistance in Suicide and Voluntary Euthanasia." *Acta Phil.* 15 (2006): 231–245.

3519. GREENE, Benjamin P. *Eisenhower, Science Advice, and the Nuclear Test-Ban Debate, 1945–1963.* (xiii + 358 pp.; bibl.; index.) Stanford, Calif.: Stanford University Press, 2007. ISBN: 0804754454.

"Analyzes the secret debate within the Eisenhower administration over the pursuit of a nuclear test-ban agreement," and Eisenhower's dependence on his science advisors. (from the publisher)

3520. JASANOFF, Sheila. *Designs on Nature: Science and Democracy in Europe and the United States.* (xiii + 374 pp.; bibl.; index.) Princeton, N.J.: Princeton University Press, 2005. ISBN: 0691118116.

Study of policies relating to issues in late 20th-century biotechnology in various governing bodies.

Reviews: [ref. R687]

- 3521.** KRIGE, John. *American Hegemony and the Postwar Reconstruction of Science in Europe*. Transformations. (viii + 376 pp.; bibl.; index.) Cambridge, MA: MIT Press, 2006. ISBN: 0262112973.
- 3522.** LING, Tom, and Ann RAVEN. "Pharmacogenetics and Uncertainty: Implications for Policy Makers." Part of a special issue: "Genetic Databases and Pharmacogenetics: Social, Policy and Ethical Issues" [ref. 3801]. *Stud. Hist. Phil. Biol. Biomed. Sci.* 37 (2006): 533–549.
- 3523.** LUCAS, Matthew James William. "Bridging a Cultural Divide: Strengthening Similarities and Managing Differences in University-Industry Relationships." *Diss. Abstr. Int.* A 67/07 (2007).
Dissertation at University of Toronto (Canada), 2006. UMI pub. no. NR15982. 379 pp. Studies the University of Toronto and its industry partners: the IBM Centre for Advanced Studies, the Nortel Institute for Telecommunications, and the Bell University Labs.
- 3524.** MOON Man-yong. "Han'guk eui 'dunyoeyuchul' byeonhwawa KIST eui yeokwal." Translated title: [Korea's "brain drain" and the role of KIST (The Korean Institute of Science and Technology)]. In Korean. *Han'guk Munhwa* 37 (2006): 229–261.
On KIST's success since 1966 in attracting overseas Korean scientists to repatriate.
- 3525.** PINKUS, Binyamin. "Atomic Power to Israel's Rescue: French-Israeli Nuclear Cooperation, 1949–1957." *Israel Studies* 7, no. 1 (2002): 104–138.
Focuses on implications of nuclear weapons cooperation.
- 3526.** SCHIBECI, Renato, and Jeffrey HARWOOD. "Stimulating Authentic Community Involvement in Biotechnology Policy in Australia." *Public Underst. Sci.* 16 (2007): 245–255.
- 3527.** SCHNEIDER, Christoph. "Der Scharlatan auf dem Rechtsweg: Und was vielleicht zu seiner Umlenkung getan werden könnte." *Ber. Wissenschaftsgesch.* 27 (2004): 237–251.
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- 3533.** FRITZSCHE, Sonja. "East Germany's *Wekstatt Zukunft*: Futurology and the Science Fiction Films of *defa-futurum*." *Germ. Stud. Rev.* 29 (2006): 367–386.
- 3534.** JANZEN, Bernd Hubert. "Roddenberry's Faith in 'Star Trek': 'Star Trek's Humanism as an American Apocalyptic Vision of the Future." *Diss. Abstr. Int.* A 67/07 (2007): 2578.
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(for women scientists, look also under specific topics and time periods)
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- 3536.** XIE, Yu, and Kimberlee A. SHAUMAN. *Women in Science: Career Processes and Outcomes*. (xvi + 318 pp.; ill.; bibl.; index.) Cambridge, MA.: Harvard University Press, 2003. ISBN: 0674010345.
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- 375-28. SCIENCE AND RELIGION**
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- 3540.** FOX, Donna M. "Scientific and Technical Aspects of a Large-Scale Biological Weapons Program: Lessons Learned from the Former Soviet Union's Anti-Personnel BW Program, 1975–1990." *Diss. Abstr. Int.* A 67/09 (2007).
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(includes awards and prizes)

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3552. MODY, Cyrus C. M. "Corporations, Universities, and Instrumental Communities: Commercializing Probe Microscopy, 1981–1996." *Tech. Cult.* 47 (2006): 56–80.

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375-42. SCIENCE EDUCATION

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375-43. PROFESSIONAL ACTIVITIES OF SCIENTISTS

(includes peer review and scientific publication)

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375-102. HISTORY OF PHILOSOPHY; HISTORY OF IDEAS

(includes history of philosophy of science)

3562. ATKINSON, David, and Jeanne PEIJNEN-BURG. "Probability without Certainty: Foundationalism and the Lewis-Reichenbach Debate." *Stud. Hist. Phil. Sci.* 37 (2006): 442–453.

375-103. MATHEMATICS

3563. ERICKSON, Paul. "The Politics of Game Theory: Mathematics and Cold War Culture." *Diss. Abstr. Int. A* 67/09 (2007).

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375-110. ASTRONOMY AND COSMOLOGY
(see also 164-Air and space technologies)

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Reviews: [ref. R345]

3568. DICK, Steven J. "NASA and the Search for Life in the Universe." *Endeavour* 30 (2006): 71–75.

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375-112. PHYSICS; EXACT SCIENCES, GENERAL WORKS

3571. BERNARDINI, Carlo. "AdA: The First Electron-Positron Collider." *Phys. Persp.* 6 (2004): 156–183.

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Reviews: [ref. R943]

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375-113. CHEMISTRY

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Reviews: [ref. R899]

3601. MORRIS, Peter J. T. "A Personal Historiography of the Chemical Industry since 1956." *Bull. Hist. Chem.* 32 (2007): 10–20.

3602. REINHARDT, Carsten. *Shifting and Rearranging: Physical Methods and the Transformation of Modern Chemistry*. (viii + 428 pp.; ill.; bibl.; index.) Sagamore Beach, MA: Science History Publications/USA, 2006. ISBN: 088135354X.

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Reviews: [ref. R1124]

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3604. TOCA, Ángel. "'Dos profesiones para un solo cometido'. La introducción de la ingeniería química en España durante el primer franquismo." *Dynamis* 26 (2006): 253–285.

375-120. EARTH AND ATMOSPHERIC SCIENCES, GENERAL WORKS

(includes meteorology and climatology)

- 3605.** ANDERSON, Katharine. "Does History Count?" *Endeavour* 30 (2006): 150–155.

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- 3606.** BEHRENDT, John C. *The Ninth Circle: A Memoir of Life and Death in Antarctica, 1960–1962*. (xiv + 240 pp.; ill.; bibl.; index.) Albuquerque: University of New Mexico Press, 2005. ISBN: 0826334253.

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- 3607.** BELANGER, Dian Olson. *Deep Freeze: The United States, the International Geophysical Year, and the Origins of Antarctica's Age of Science*. (xxix + 494 pp.; ill.; bibl.; index.) Boulder: University Press of Colorado, 2006. ISBN: 0870818309.

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- 3609.** CARVALHO, Anabela. "Ideological Cultures and Media Discourses on Scientific Knowledge: Re-reading News on Climate Change." *Public Underst. Sci.* 16 (2007): 223–243.

- 3610.** COCKRELL, Alan. *Drilling Ahead: The Quest for Oil in the Deep South, 1945–2005*. (xxiv + 301 pp.; ill.; bibl.; index.) Jackson, MS: Published for the Mississippi Geological Society by University Press of Mississippi, 2005. ISBN: 1578068118.

Reviews: [ref. R253]

- 3611.** FINE, Gary Alan. *Authors of the Storm: Meteorologists and the Culture of Prediction*. (280 pp.; ill.; map; bibl.; index.) Chicago: University of Chicago Press, 2007. ISBN: 9780226249520.

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- 3612.** FOWLER, Philip A. "The Longitudinal Treatment and Structure of Plate Tectonics in Introductory College-Level Physical Geology Textbooks: 1974–2005." *Diss. Abstr. Int. A* 66/11 (2006): 3973.

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- 3613.** GOLDSTEIN, Edward S. "NASA's Earth Science Program: The Bureaucratic Struggles of the Space Agency's Mission to Planet Earth." *Diss. Abstr. Int. A* 68/01 (2007).

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- 3614.** GOODSTEIN, Judith R. "A Conversation with Frank Press." *Phys. Persp.* 6 (2004): 184–196.

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- 3615.** GREENE, Mott T. "Looking for a General for Some Modern Major Models." *Endeavour* 30 (2006): 55–59.

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- 3616.** KORSMO, Fae L. "Shaping Up Planet Earth: The International Geophysical Year (1957–1958) and Communicating Science through Print and Film Media." *Sci. Commun.* 26 (2004): 162–187.

- 3617.** MUHOVIC-DORSNER, Kamala. "Evaluating European Climate Change Policy: An Ecological Justice Approach." *Bull. Sci. Tech. Soc.* 25 (2005): 238–246.

375-122. NATURAL HISTORY

- 3618.** HANNESSON, Rögnvaldur. *The Privatization of the Oceans*. (viii + 202 pp.; ill.; bibl.; index.) Cambridge, Mass.: MIT Press, 2004. ISBN: 0262083345.

Reviews: [ref. R568]

375-123. ECOLOGY; ENVIRONMENTAL SCIENCES (includes conservation, natural resource management, and environmental history; for forestry, see 163-Agriculture)

- 3619.** ALAGONA, Peter Spencer. "Transforming Conservation: Endangered Species, Biodiversity, and the Political Economy of Science in California." *Diss. Abstr. Int. A* 67/09 (2007).

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- 3620.** BOSCO, Christopher J. *Environment, Inc.: From Grassroots to Beltway*. Studies in Government and Public Policy. (xiv + 194 pp.; bibl.; index.) Lawrence: University Press of Kansas, 2005. ISBN: 0700613676.

- 3621.** BRYANT, William Harold. "Whole System, Whole Earth: The Convergence of Technology and Ecology in Twentieth-Century American Culture." *Diss. Abstr. Int. A* 67/07 (2007): 2621.

Dissertation at The University of Iowa, 2006. Adviser: Rigal, Laura. UMI pub. no. 3225584. 314 pp. Focuses on Stewart Brand, publisher of *The Whole Earth Catalog*.

- 3622.** CARLSON, Hans M. "A Watershed of Words: Litigating and Negotiating Nature in Eastern James Bay, 1971–75." *Can. Hist. Rev.* 85 (2004): 63–84.

"An environmental history of the events that began with the Cree bringing the province of Quebec to court over the hydroelectrical projects and ended with the signing of a treaty agreement." (from the abstract)

- 3623.** CHANEY, Sandra. "Protecting Nature in a Divided Nation: Conservation in the Two Germanys, 1945–1972." In *Germany's Nature*, edited by LEKAN and ZELLER (2005) [ref. 404], 207–243.

- 3624.** CONLEY, Joe Greene, II. "Environmentalism Contained: A History of Corporate Responses to the

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See also: Matthew Morse BOOKER, "Oyster Growers and Oyster Pirates in San Francisco Bay," 63–88; Coll THRUSH, "City of the Changers: Indigenous People and the Transformation of Seattle's Watersheds," 89–117 [ref. 852]; David S. TORRES-ROUFF, "Water Use, Ethnic Conflict, and Infrastructure in Nineteenth-Century Los Angeles," 119–140.

3627. FLIPPEN, J. Brooks. *Nixon and the Environment*. (ix + 308 pp.; ill.; bibl.; index.) Albuquerque: University of New Mexico Press, 2000. ISBN: 0826319939.

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Reviews: [ref. R599]

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(includes plant sciences)

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375-133. HEREDITY; GENETICS; EVOLUTION

(for genetic engineering, see 134-Microbiology)

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(includes human evolution, primatology; for human body, see also 150-Medicine)

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375-136. NEUROSCIENCE

(see also 151-Psychiatry)

3696. COLLINS, Alan F. "An Intimate Connection: Oliver Zangwill and the Emergence of Neuropsychology in Britain." *Hist. Psychol.* 9 (2006): 89–112.

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Reviews: [ref. R658]

375-137. PSYCHOLOGY; COMPARATIVE PSYCHOLOGY

(includes *sociobiology, animal behavior, evolutionary psychology*; for *clinical psychology*, see also *151-Psychiatry*)

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375-140. SOCIAL SCIENCES, GENERAL WORKS
(includes *criminology, demography, etc.*)

3706. CROWTHER-HEYCK, Hunter. "Herbert Simon and the GSIA: Building an Interdisciplinary Community." *J. Hist. Behav. Sci.* 42 (2006): 311–334.

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3710. SOLOVEY, Mark. "Riding Natural Scientists' Coattails onto the Endless Frontier: The SSRC and the Quest for Scientific Legitimacy." *J. Hist. Behav. Sci.* 40 (2004): 393–422.

375-141. SOCIOLOGY

3711. GALBO, Joseph. "From *The Lonely Crowd* to *The Cultural Contradictions of Capitalism* and Beyond: The Shifting Ground of Liberal Narratives." *J. Hist. Behav. Sci.* 40 (2004): 47–76.

3712. HELMES-HAYES, Richard C. (Ed.) *Forty Years, 1963–2003: Department of Sociology, University of Toronto*. (215 pp.; ill.; bibl.) Toronto: Canadian Scholars' Press, 2003. ISBN: 1551302284. Reviews: [ref. R610]

375-143. ECONOMICS

3713. HEINRICH, Lutz J. "Forschungsmethodik einer Integrationsdisziplin: Ein Beitrag zur Geschichte der Wirtschaftsinformatik." *NTM* 13 (2005): 104–117.

375-145. ARCHAEOLOGY

3714. HALLOTE, Rachel S., and Alexander H. JOFFE. "The Politics of Israeli Archaeology: Between 'Nationalism' and 'Science' in the Age of the Second Republic." *Israel Studies* 7, no. 3 (2002): 84–116.

375-146. HISTORY

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375-150. MEDICAL SCIENCES, GENERAL WORKS
(includes *human anatomy and physiology*; see also *135-Physical anthropology*)

3716. ABRAHAM, Thomas. *Twenty-First Century Plague: The Story of SARS*. (165 pp.; ill.; bibl.; index.) Baltimore, MD: Johns Hopkins University Press, 2005. ISBN: 0801881242.

Reviews: [ref. R2]

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- 3720.** ASHCROFT, Richard E. "Kant, Mill, Durkheim? Trust and Autonomy in Bioethics and Politics." *Stud. Hist. Phil. Biol. Biomed. Sci.* 34 (2003): 359–366.
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- 3721.** BALDWIN, Peter. *Disease and Democracy: The Industrialized World Faces AIDS*. Foreword by Daniel M. FOX and Samuel L. MILBANK. (xii + 465 pp.; index.) Los Angeles: University of California, 2005. ISBN: 520243501.
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- 3722.** BARNES, Emm. "Captain Chemo and Mr. Wiggly: Patient Information for Children with Cancer in the Late Twentieth Century." *Soc. Hist. Med.* 19 (2006): 501–519.
- 3723.** BOGEN, Joseph E. "A Half-Century of Perpetuating Netter's Anatomic Error." *J. Hist. Neurosci.* 15 (2006): 53–55.
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